WORLD HEADQUARTERS
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Quality and Innovation Since 1963
Made in Canada

SERVICE MANUAL

Sept /98 pu-serv1.pdf Version1.5

PL8	**M435C Schematic**
	M435C PCB
PL10/PM10	**M435 Schematic**
	M435 PCB
PL1070V	**M435D Schematic**
	M435D PCB
PL12/PM12	**M435 Schematic**
	M435 PCB
PL315	**M535 Schematic**
	M535 PCB
PL3215	**M535A Schematic**
	M535A PCB
PR315	**M536 Schematic**
	M536 PCB
PR418	**M537 Schematic**
	M537 PCB
PS18	**M534 Schematic**
	M534 PCB
PS110P	**M530 Schematic**
	M530 PCB
PS210P	**M508A Schematic**
	M508A PCB
	M509 Schematic
	M509 PCB
PS210PX	**M508C Schematic**
	M508C PCB
	M532 Schematic
	M532 PCB
PS218P	**M508A Schematic**
	M508A PCB
	M531 Schematic
	M531 PCB

PROFESSIONAL AUDIO SYSTEMS by YORKVILLE SOUND

IMPORTANT SAFETY INSTRUCTIONS

CAUTION ***AVIS***

RISK OF ELECTRIC SHOCK
DO NOT OPEN
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

CAUTION:

**DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.**

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

INSTRUCTIONS RELATIVES AU RISQUE DE FEU, CHOC ÉLECTRIQUE, OU BLESSURES AUX PERSONNES.

AFIN DE RÉDUIRE LES RISQUE DE CHOC ÉLECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU NE CONTIENT AUCUNE PIÈCE RÉPARABLE PAR L'UTILISATEUR.

CONSULTEZ UN TECHNICIEN QUALIFIÉ POUR L'ENTRETIENT.

Read Instructions:
The ***Owner's Manual*** should be read and understood before operation of your unit. Please, save these instructions for future reference.

Packaging:
Keep the box and packaging materials, in case the unit needs to be returned for service.

Warning:
When using electric products, basic precautions should always be followed, including the following:

Power Sources:
Your unit should be connected to a power source only of the voltage specified in the owners manual or as marked on the unit. This unit has a polarized plug. Do not use with an extension cord or receptacle unless all three blades can be fully inserted to prevent blade exposure. Precautions should be taken so that the grounding scheme on the unit is not defeated.

Power Cord:
The AC supply cord should be routed so that it is unlikely that it will be damaged. If the AC supply cord is damaged **DO NOT OPERATE THE UNIT**.

Service:
The unit should be serviced only by qualified service personnel.

Veuillez lire le manuel:
Il contient des informations qui devraient êtres comprises avant l'opération de votre appareil. Conservez S.V.P. ces instructions pour consultations ultérieures

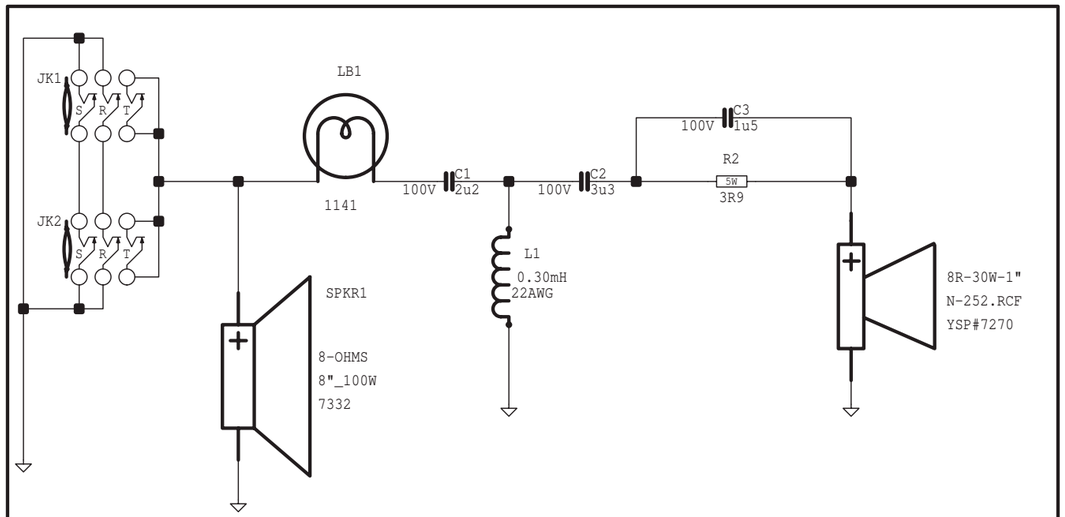
Emballage:
Conservez la boite au cas ou l'appareil devait être retourner pour réparation.

Warning:
Attention: Lors de l'utilisation de produits électrique, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

Alimentation:
L'appareil ne doit être branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent êtres prises afin d'eviter que le système de mise à la terre de l'appareil ne soit désengagé.

Cordon d'alimentation:
Évitez d'endommager le cordon d'alimentation. **N'UTILISEZ PAS L'APPAREIL** si le cordon d'alimentation est endommagé.

Service:
Consultez un technicien qualifié pour l'entretien de votre appareil.



M435C.SCH_DATABASE_HISTORY

MODEL(S):- PL8

#	DATE	VER#	DESCRIPTION OF CHANGE
1	NOV/06/97	1.00	FIRST_PROTOTYPE
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N

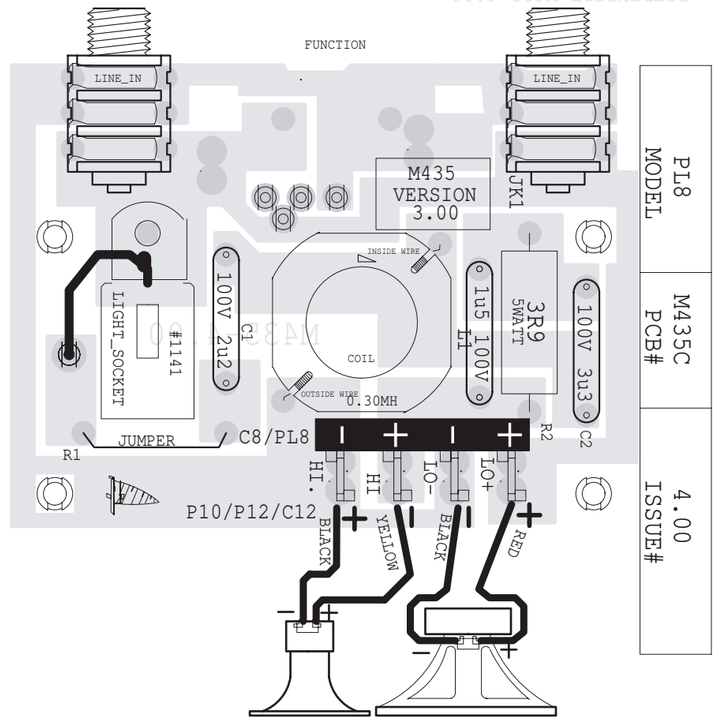
YORKVILLE | DATE: NOV/06/97 | NAME: PL8 | MODELS: PULSE PL8 | TITLE: PL8 | SCH ISSUE: 1.00

M435.PCB_DATABASE_HISTORY

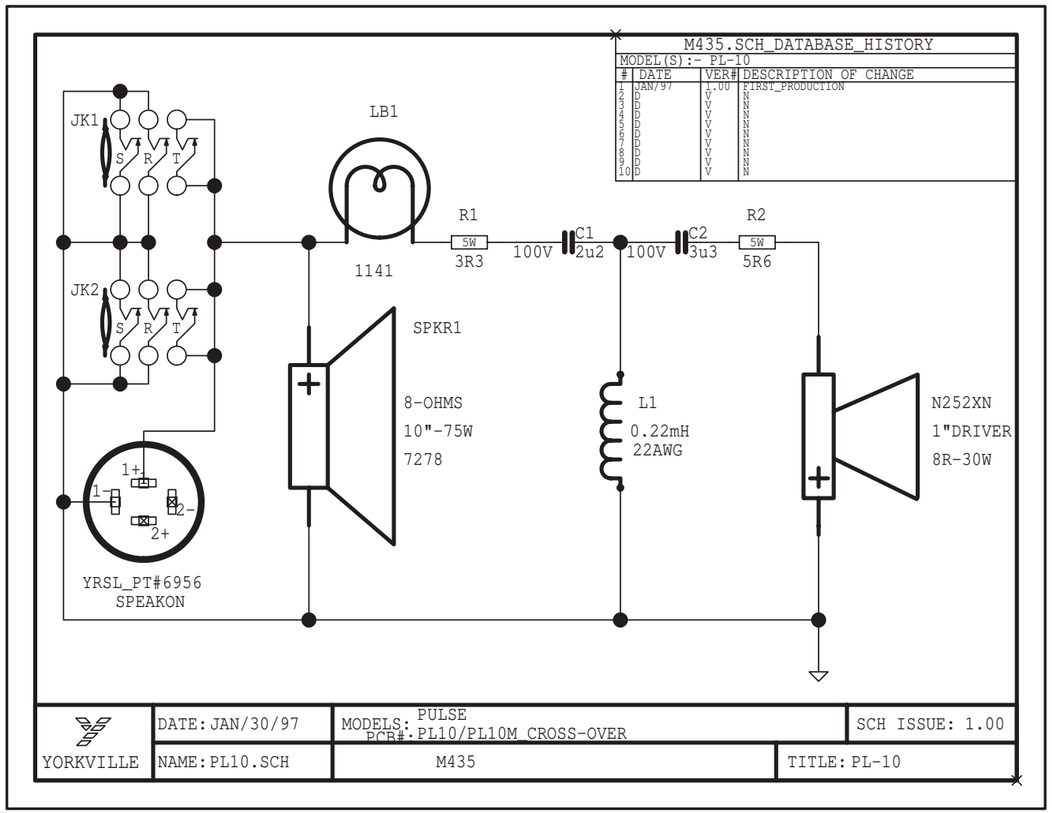
MODEL(S):- PL8/10?0V/PM10/PL12/PM12/C12/C8

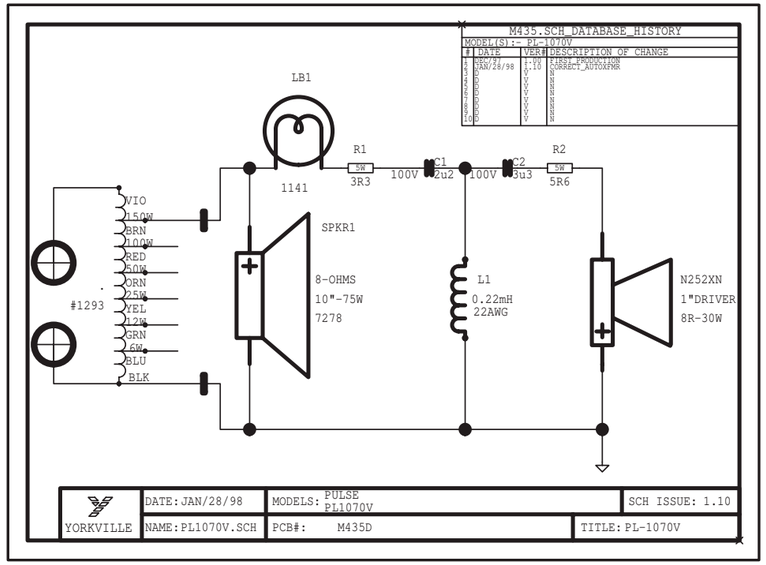
#	DATE	VER#	DESCRIPTION OF CHANGE
1	JAN/97	1.00P	FIRST_PROTOTYPE
2	JAN/28/97	2.00	ADD_R7
3	JUN/12/97	3.00	REDONE_FOR_C8/C12
4	OCT/15/97	4.00	REDONE_FOR_3"UP_SPREAD_FOR_TABS
5	DEC/08/97	V	TABS_ADDED_FOR_PL10?0V
6	D	V	
7	D	V	
8	D	V	
9	D	V	
10	D	V	
11	D	V	

ASSEMBLY M435-4.00
PCB MECH M435-4.00



PL8 MODEL | M435C PCB# | 4.00 ISSUE#



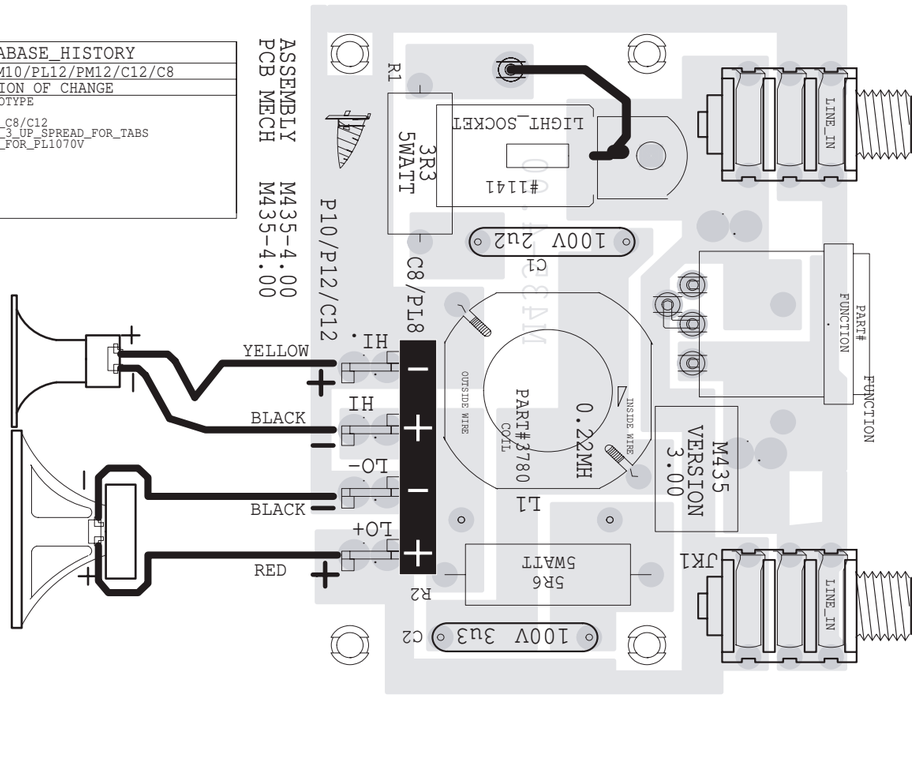


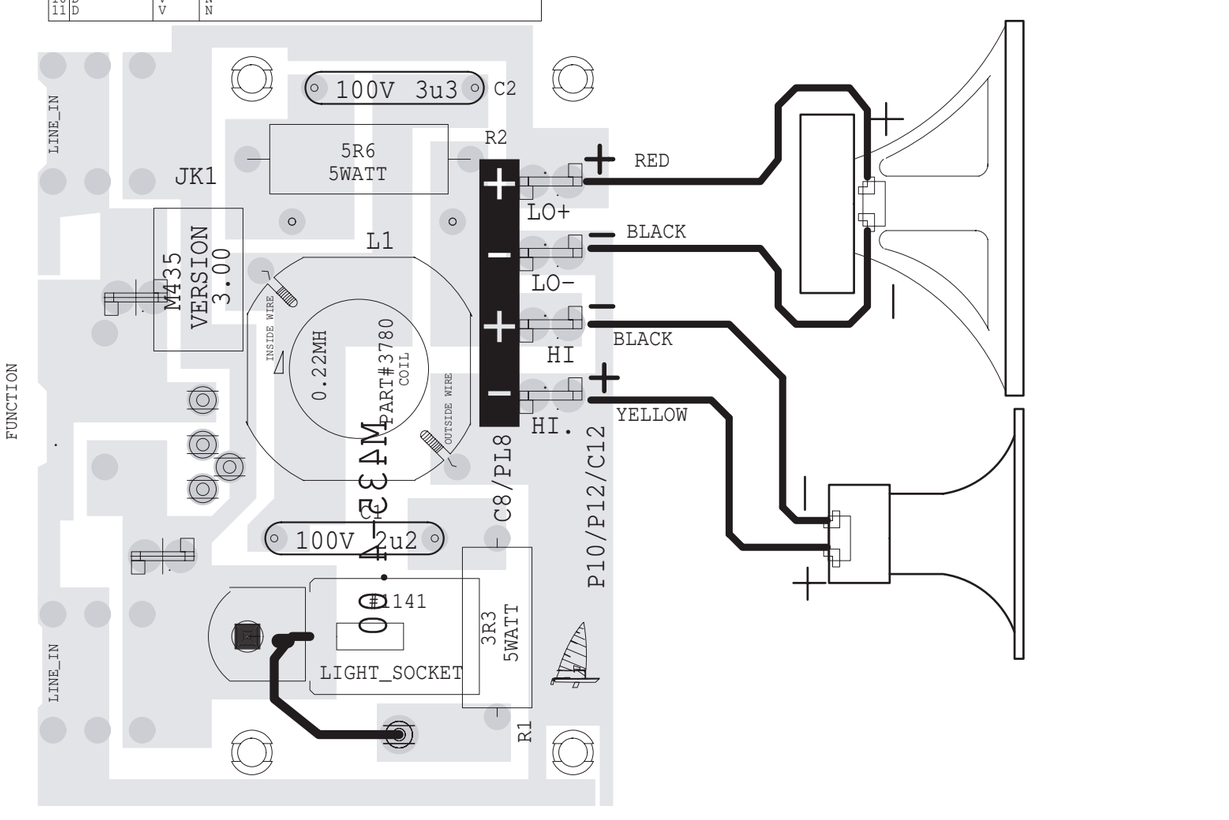
M435.PCB_DATABASE_HISTORY

MODEL(S):- PL10/1070V/PM10/PL12/PM12/C12/C8

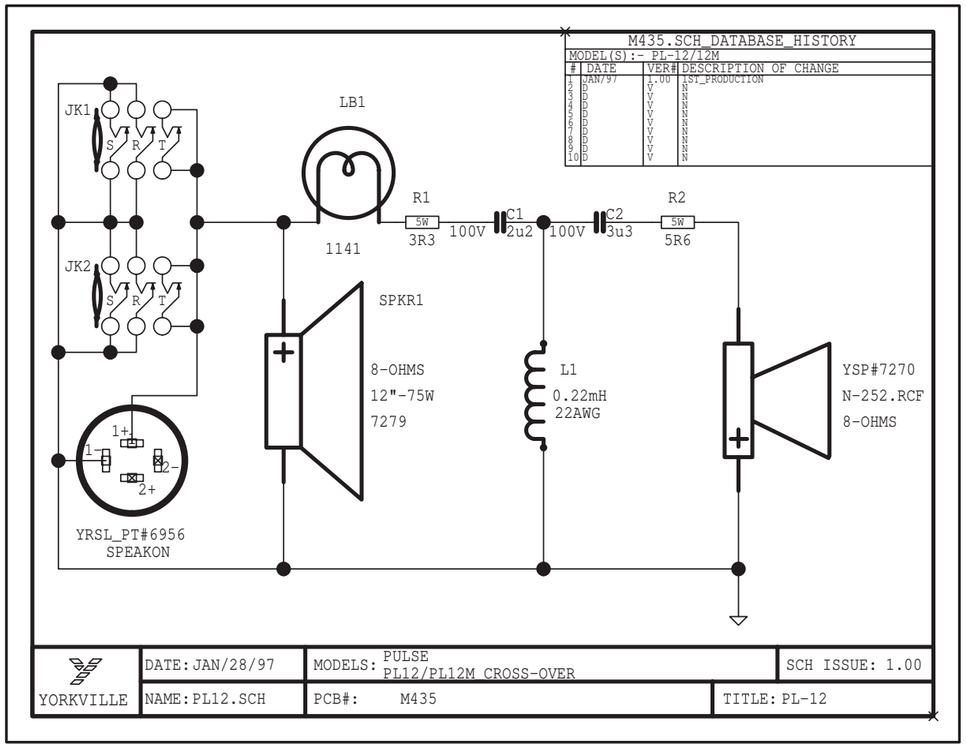
#	DATE	VER#	DESCRIPTION OF CHANGE
1	JAN/97	1.00P	FIRST_PROTOTYPE
2	JAN/28/97	1.00	ADD_R2
3	JUN/12/97	2.00	REDONE_FOR_C8/C12
4	OCT/15/97	3.00	REDONE_FOR_3_UP_SPREAD_FOR_TABS
5	DEC/08/97	4.00	TABS_ADDED_FOR_PL1070V
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N

PL1070V	M435D	4.00
MODEL	PCB#	ISSUE#





PL10/PM10 PL12/PM12 MODEL	M435 PCB#	4.00 ISSUE#

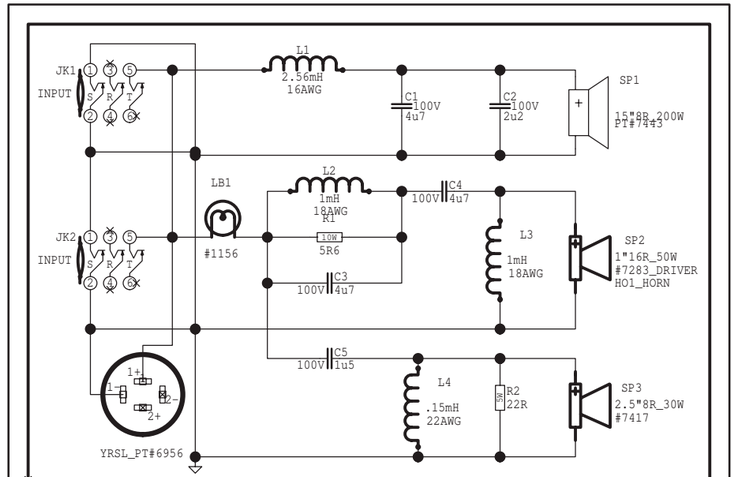


M435.SCH_DATABASE_HISTORY

MODEL(S):- PL-12/12M

#	DATE	VER#	DESCRIPTION OF CHANGE
1	JAN/97	1.00	1ST_PRODUCTION
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N

YORKVILLE	DATE: JAN/28/97	MODELS: PULSE PL12/PL12M CROSS-OVER	SCH ISSUE: 1.00
	NAME: PL12.SCH	PCB#: M435	TITLE: PL-12



M535.SCH_DATABASE_HISTORY

MODEL(S):- PL315

#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/13/97	1.00	FIRST_PROTOTYPE
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N

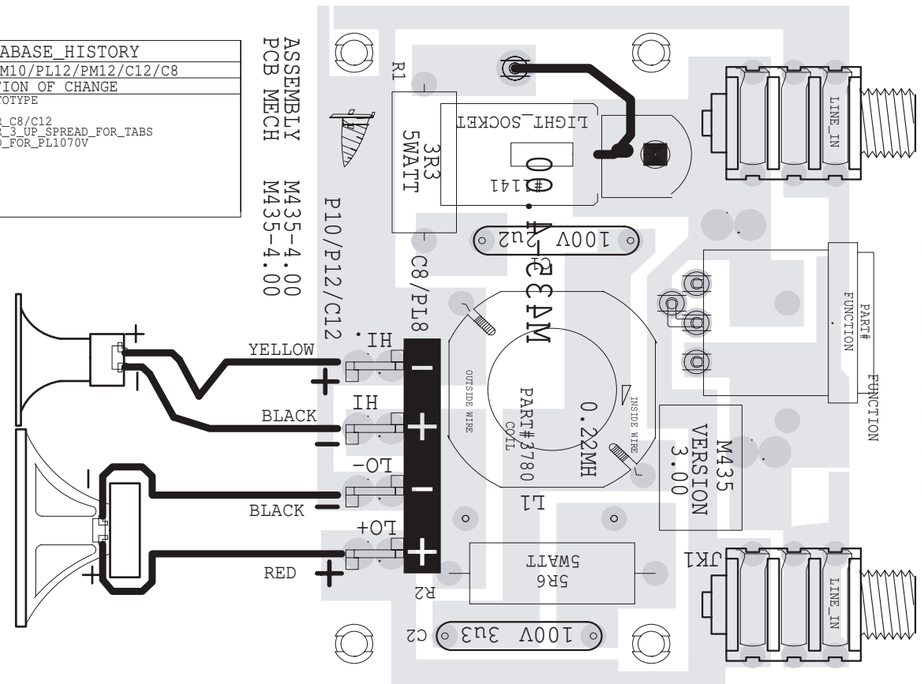
YORKVILLE	DATE: FEB/13/97	MODELS: PULSE PL315	SCH ISSUE: 1.00
	NAME: PL315.SCH	PCB#&VER: M535-1.00	TITLE: X-OVER_PL315

M435.PCB_DATABASE_HISTORY

MODEL(S):- PL10/1070V/PM10/PL12/PM12/C12/C8

#	DATE	VER#	DESCRIPTION OF CHANGE
1	JAN/97	1.00P	FIRST_PROTOTYPE
2	JAN/28/97	1.00	ADD_R2
3	JUN/12/97	2.00	REDONE_FOR_C8/C12
4	OCT/15/97	3.00	REDONE_FOR_3_UP_SPREAD_FOR_TABS
5	DEC/08/97	4.00	TABS_ADDED_FOR_PL1070V
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N

ASSEMBLY M435-4.00
PCB MECH M435-4.00



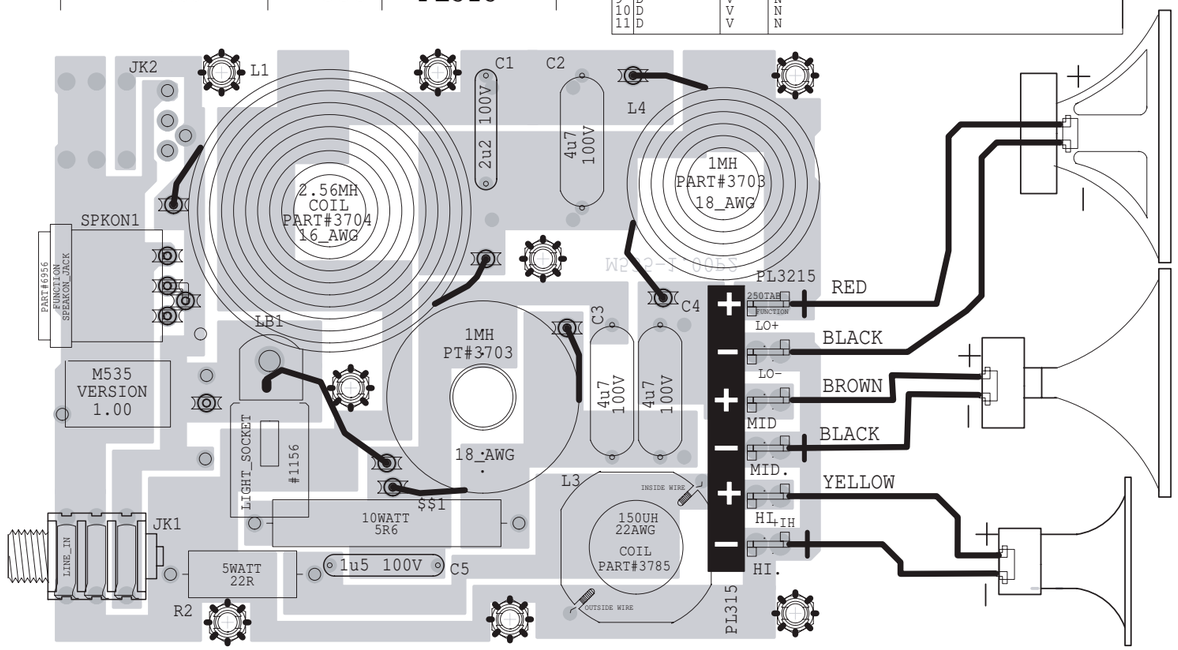
PL10/PM10 PL12/PM12 MODEL	M435 PCB#	4.00 ISSUE#

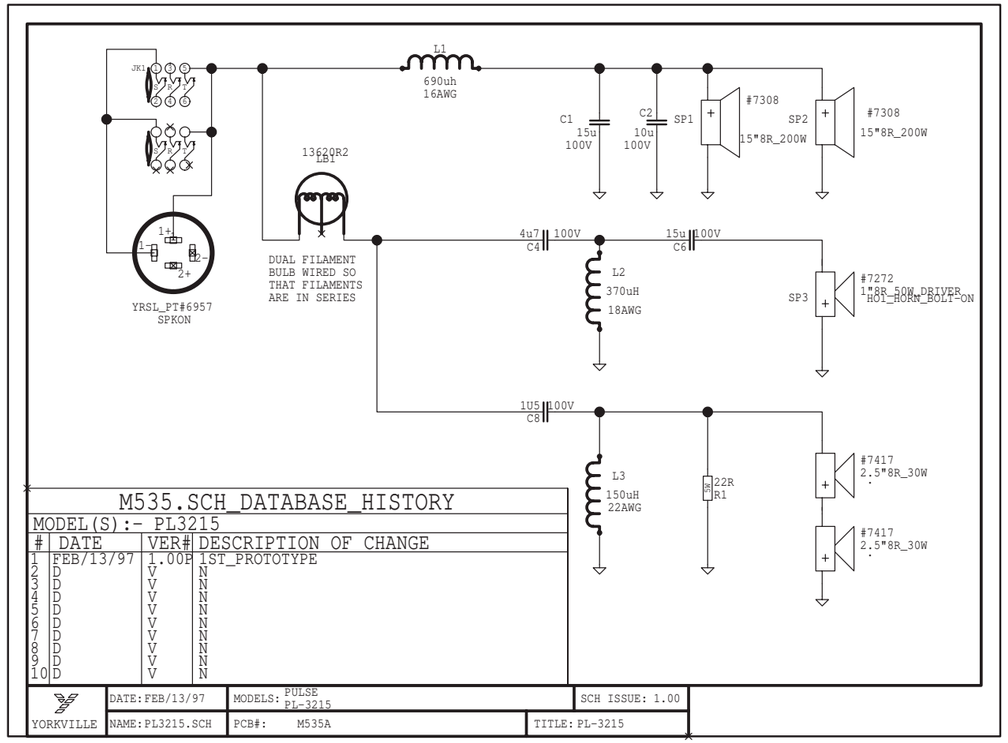
ISSUE#	PCB#	MODEL
1.00	M535	PL315

M535.PCB_DATABASE_HISTORY

MODEL(S):- PL315-PL3215

#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/97	1.00	FIRST_PROTOTYPE
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N



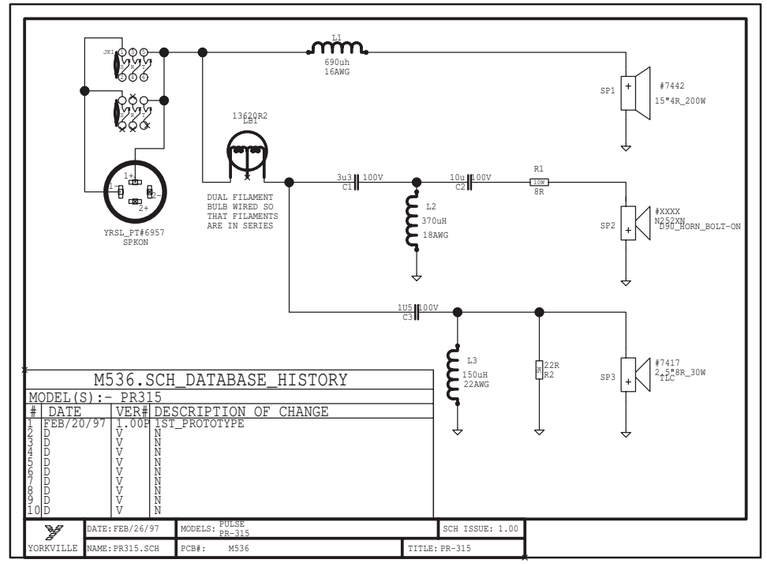


M535.SCH_DATABASE_HISTORY

MODEL(S):- PL3215

#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/13/97	1.00	1ST_PROTOTYPE
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N

YORKVILLE	DATE:FEB/13/97	MODELS: PULSE PL-3215	SCH ISSUE: 1.00
	NAME:PL3215.SCH	PCB#: M535A	TITLE: PL-3215



M536.SCH_DATABASE_HISTORY

MODEL(S):- PR315

#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/20/97	1.00	1ST_PROTOTYPE
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N

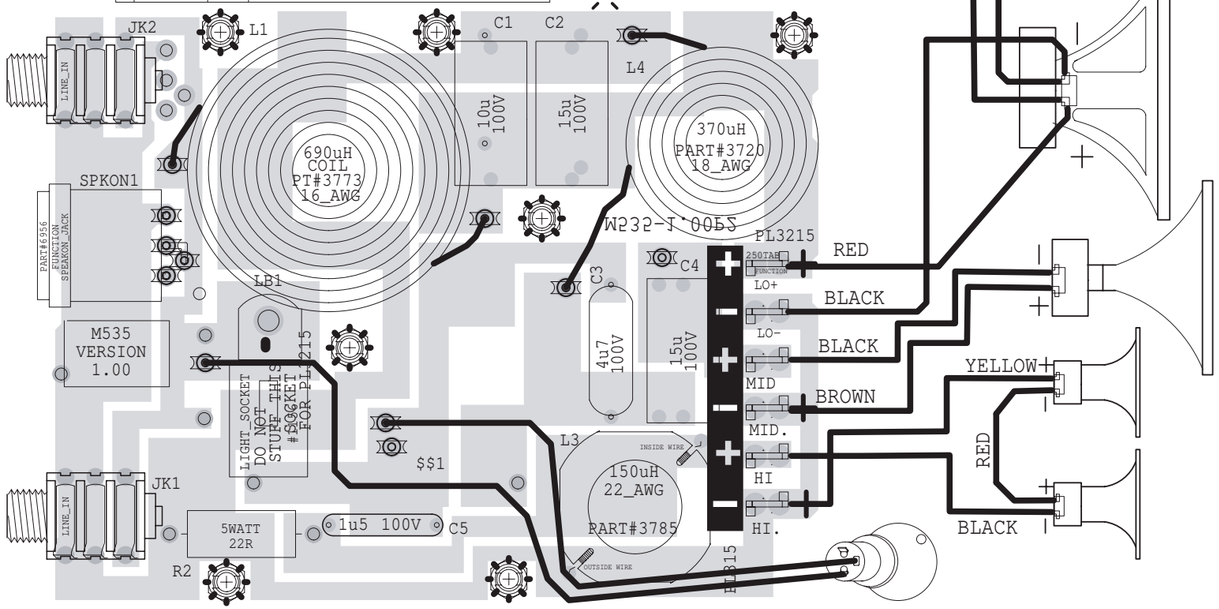
YORKVILLE	DATE:FEB/26/97	MODELS: PULSE PR-315	SCH ISSUE: 1.00
	NAME:PR315.SCH	PCB#: M536	TITLE: PR-315

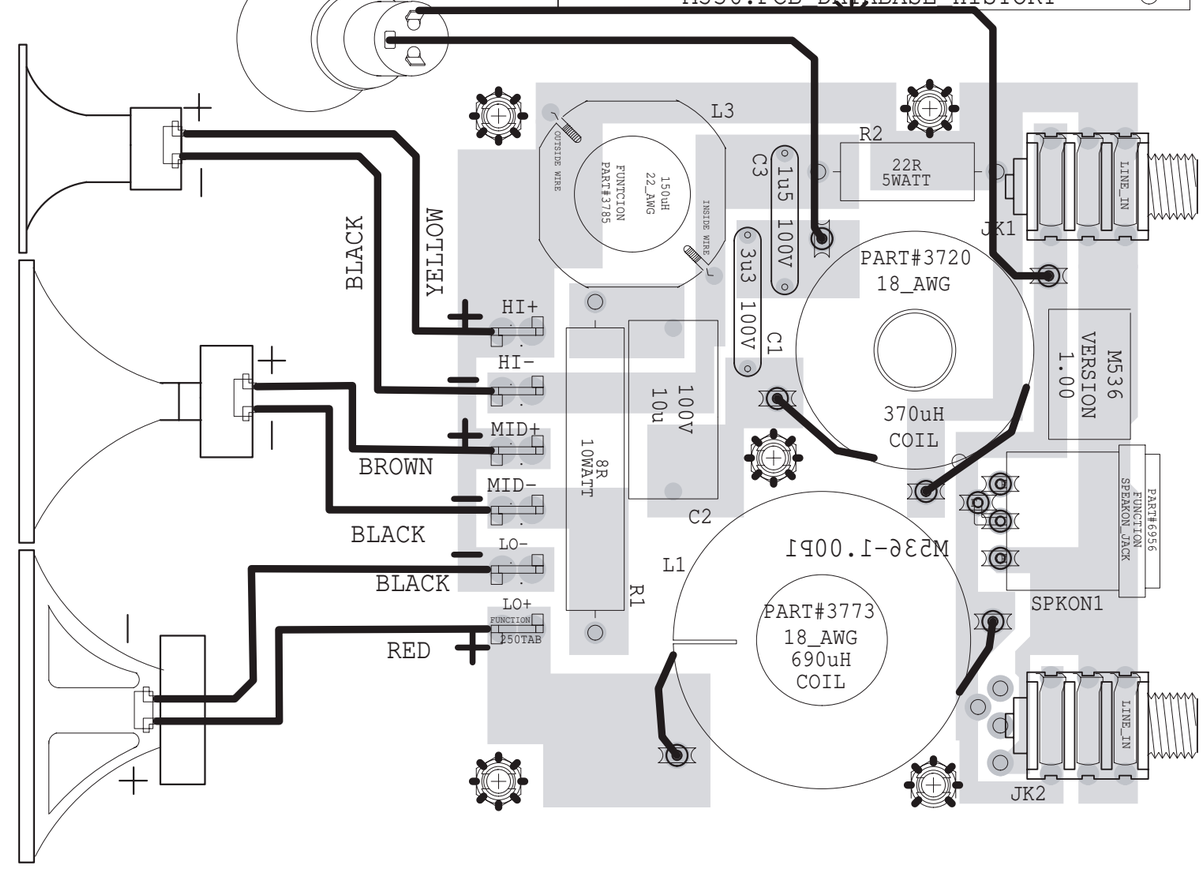
ISSUE#	PCB#	MODEL
1.00	M535A	PL3215

M535.PCB_DATABASE_HISTORY

MODEL(S):- PL315-PL3215

#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/97	1.00	FIRST_PROTOTYPE
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N





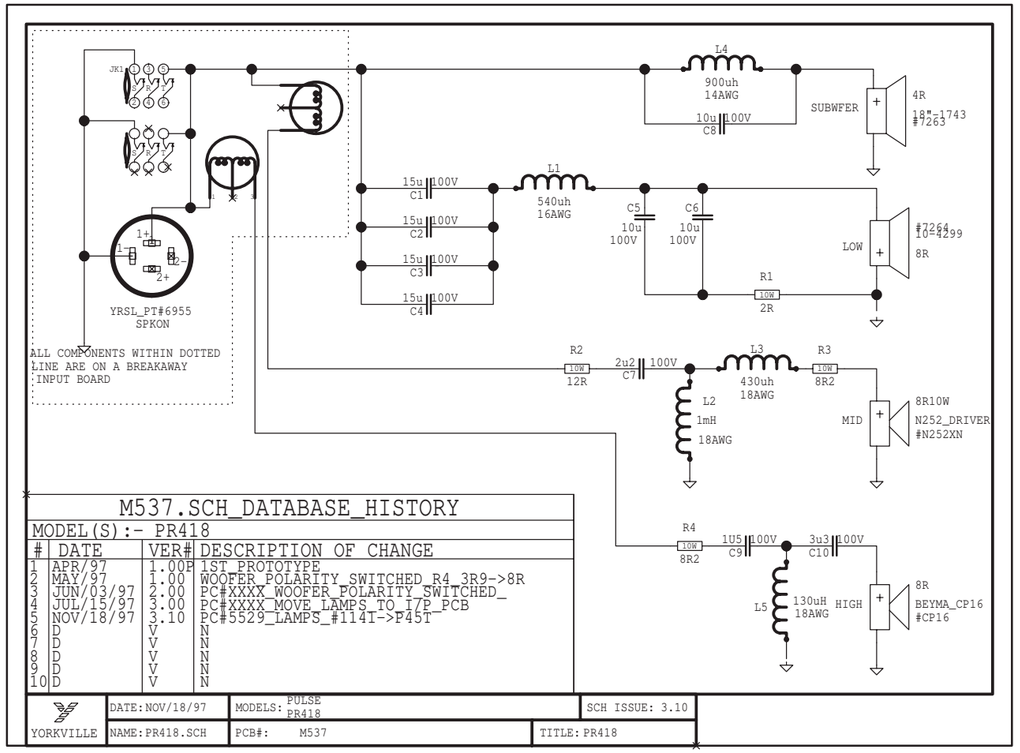
PR315	M536	1.00
MODEL	PCB#	ISSUE#

DESCRIPTION OF CHANGE	VER#	DATE	#
FIRST_PROTOTYPE	1.00	FEB/97	

SHEAR

PR315 MODEL(S):-

M536.PCB_DATABASE_HISTORY

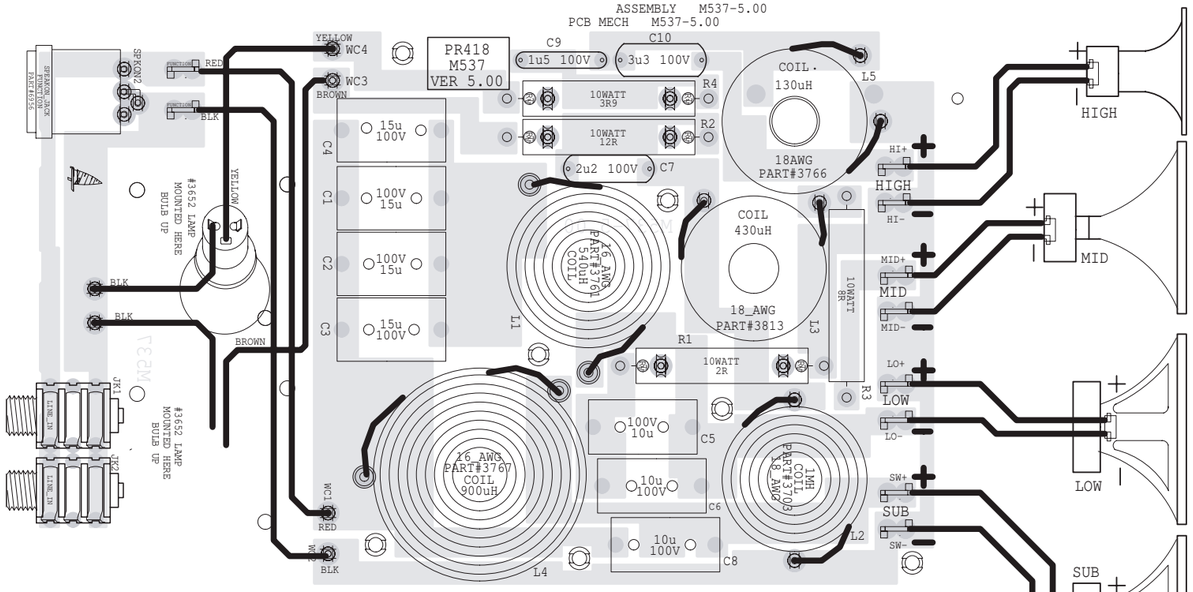


M537.SCH_DATABASE_HISTORY

MODEL(S):- PR418

#	DATE	VER#	DESCRIPTION OF CHANGE
1	APR/97	1.00P	1ST_PROTOTYPE
2	MAY/97	1.00	WOOFER_POLARITY_SWITCHED_R4_3R9->8R
3	JUN/03/97	2.00	PC#XXXX_WOOFER_POLARITY_SWITCHED_
4	JUL/15/97	3.00	PC#XXXX_MOVE_LAMPS_TO_I/P_PCB
5	NOV/18/97	3.10	PC#5529_LAMPS_#114I->P45T
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N

YORKVILLE	DATE: NOV/18/97	MODELS: PULSE PR418	SCH ISSUE: 3.10
	NAME: PR418.SCH	PCB#: M537	TITLE: PR418



PR418	M537.	5.00
MODEL	PCB#	ISSUE#

M537.PCB_DATABASE_HISTORY

MODEL(S):- PR418

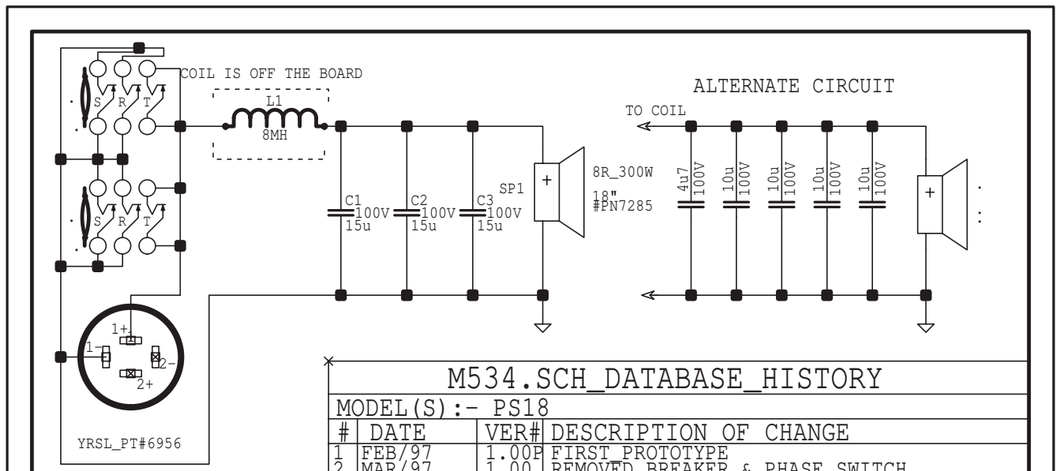
#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/97	1.00	FIRST_PROTOTYPE
2	MAY/97	.	FIRST_PRODUCTON
3	JUN/03/97	2.00	PC#5416_POLARITY_OF_LO_REVERSED
4	JUL\11/97	3.00	PC#XXXX_LIGHT_BULBS_MOVED_ TO_INPUT_PCB
5	.	.	.
6	NOV/12/97	4.00	I/P_PCB_REDONE_FOR_CLEARANCE
7	.	.	PC#5515_EYELETS_CHANGED
8	NOV/18/97	.	PC#5529_LITE-BULBS_#1156->P45T
9	JAN/08/98	5.00	BULBS_ADDED_TO_INPUT_PCB
10	D	V	N
11	D	V	N
12	D	V	N

PRODUCTION NOTES

1 EYELETS AT 10W RESISTORS ARE INSTALLED FROM THE BOTTOM AND ARE USED AS STAND-OFFS ADD RTV AT THE ENDS OF THE RESISTORS

2 BEND 10W RESISTOR LEADS AS SHOWN

3 C9,C10 BEND OVER AND RTV AFTER SHEARING

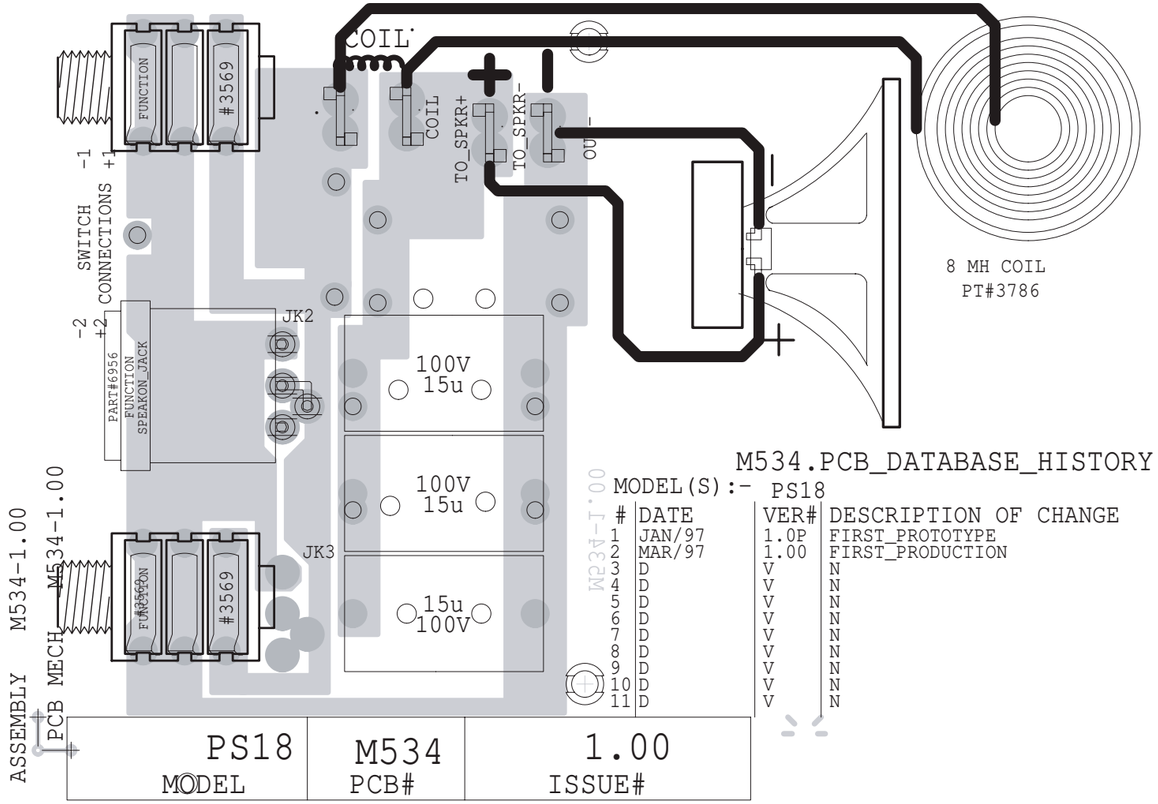


M534.SCH_DATABASE_HISTORY

MODEL(S):- PS18

#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/97	1.00P	FIRST_PROTOTYPE
2	MAR/97	1.00	REMOVED_BREAKER_&_PHASE_SWITCH
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N

YORKVILLE	DATE: MAR/97	MODELS: PULSE PS18	SCH ISSUE: 1.00
	NAME: M534.SCH	PCB#: M534	TITLE: X-OVER

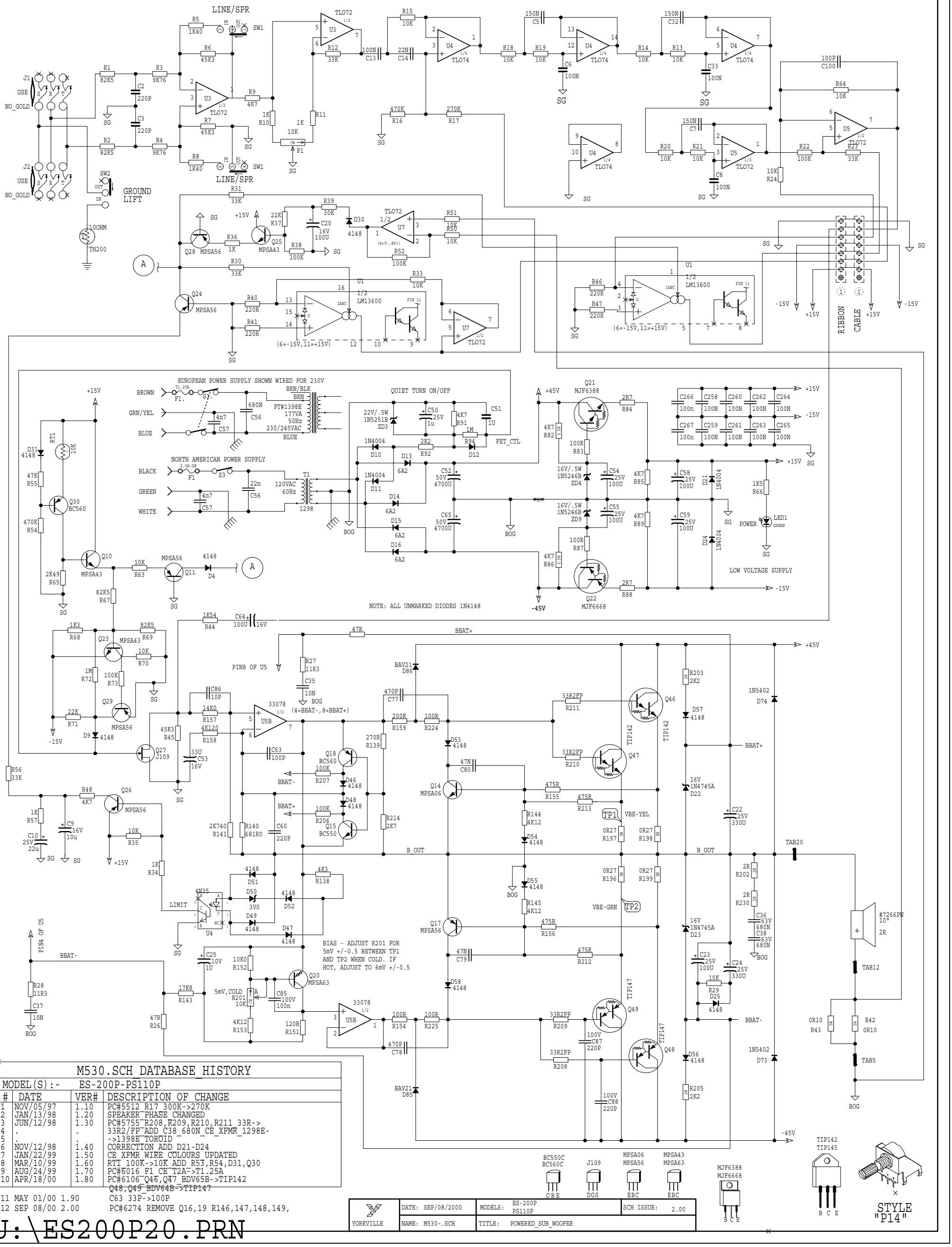


M534.PCB_DATABASE_HISTORY

MODEL(S):- PS18

#	DATE	VER#	DESCRIPTION OF CHANGE
1	JAN/97	1.0P	FIRST_PROTOTYPE
2	MAR/97	1.00	FIRST_PRODUCTION
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N

PS18	M534	1.00
MODEL	PCB#	ISSUE#



M530.SCH DATABASE HISTORY

MODEL(S):- ES-200P-PS110P

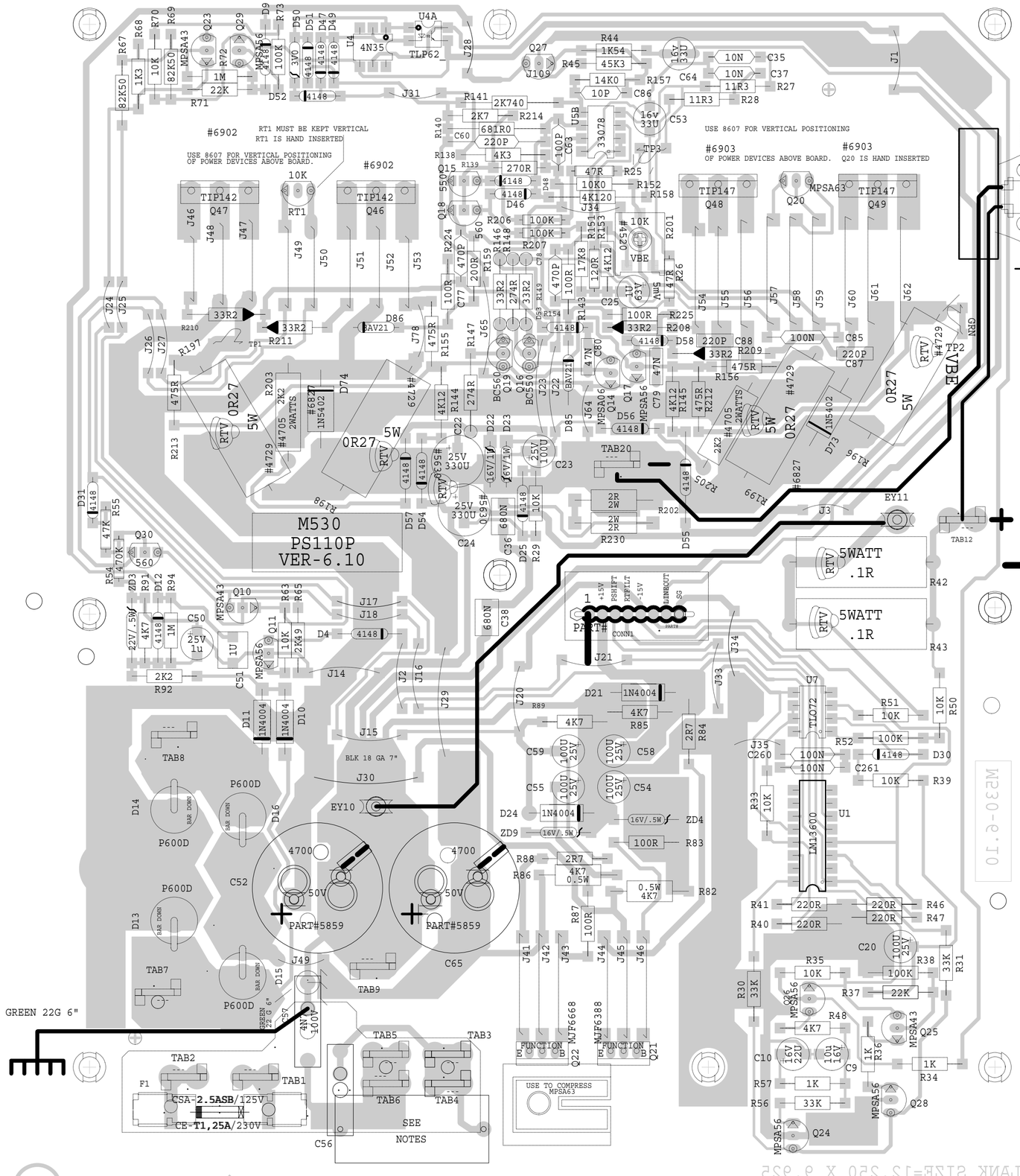
#	DATE	VER#	DESCRIPTION OF CHANGE
1	NOV/05/97	1.10	PC#5512 R17 300K->270K
2	JAN/13/98	1.20	SPEAKER PHASE CHANGED
3	JUN/12/98	1.30	PC#5755 R208,R209,R210,R211 33R->
4	.	.	33R2/FP ADD C38_680N_CE_XFMR_1298E-
5	.	.	->1398E TOROID
6	NOV/12/98	1.40	CORRECTION ADD D21-D24
7	JAN/22/99	1.50	CE XFMR WIRE COLOURS UPDATED
8	MAR/10/99	1.60	RTI 100K->10K ADD R53,R54,D31,Q30
9	AUG/24/99	1.70	PC#6016 F1 CE T2A->T1.25A
10	APR/18/00	1.80	PC#6106 Q46,Q47 BDV65B->TIP142 Q48,Q49 BDV64B->TIP147
11	MAY 01/00	1.90	C63 33P->100P
12	SEP 08/00	2.00	PC#6274 REMOVE Q16,19 R146,147,148,149,

YORKVILLE	DATE: SEP/08/2000	MODELS: ES-200P PS110P	SCH ISSUE: 2.00
	NAME: M530-.SCH	TITLE: POWERED_SUB_WOOFER	

U:\ES200P20.PRN

P:\530961.PRN

ASSEMBLY M530_6.10
PCB MECH M530_6.10

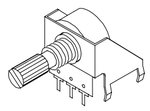


M530.PCB_DATABASE_HISTORY

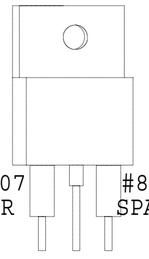
MODEL(S):- PS-110P

#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/97	1.00	FIRST PROTOTYPE
2	MAY/97	2.00	TRACKS_AT_I/P_JACKS_REDONE_C50,C51
3	.	.	MOVED
4	NOV/05/97	2.01	R17 300K->270K
5	JAN/13/98	2.10	SPKR PHASE CHANGED
6	JUN/11/98	2.20	PC#5755_C36_330N->680N_R208,R209,
7	.	.	R210,R2T1_33R->33R2_FLM-PRF
8	JUN/12/98	3.00	ADD_C38_680N_PC#5755_PART_2
9	JAN/25/99	4.00	PC5908_ADD_TLP621_(U4A)
10	MAR/11/99	.	PC#5980_RT1_100K->10K_ADD_D31_R54,
11	.	.	R55,Q30
12	SEP/17/99	.	C9_NON-POLARIZED->POLARIZED
13	APR/18/00	4.10	PC#6106_Q46,Q47_BDV65B->TIP142
14	.	.	Q48,Q49_BDV64B->TIP147
15	MAY/01/00	4.20	C63_33P->100P
16	MAY/26/00	5.00	REMOVE_UNUSED_TRACE_CAUSING_SHORTS
17	.	.	PC#5783_PC#58I0_MOVE_C32,C34_APART
18	JUN/19/00	6.00	PC#_____ALIGN_POT_WITH_JACKS_____
19	SEP/08/00	6.10	PC#6274_REMOVE_Q19,Q16,R146,R147,
20	.	.	R148,R149_CIRCUIT_NOT_NEEDED

PRODUCTION NOTES



STYLE
"P14"



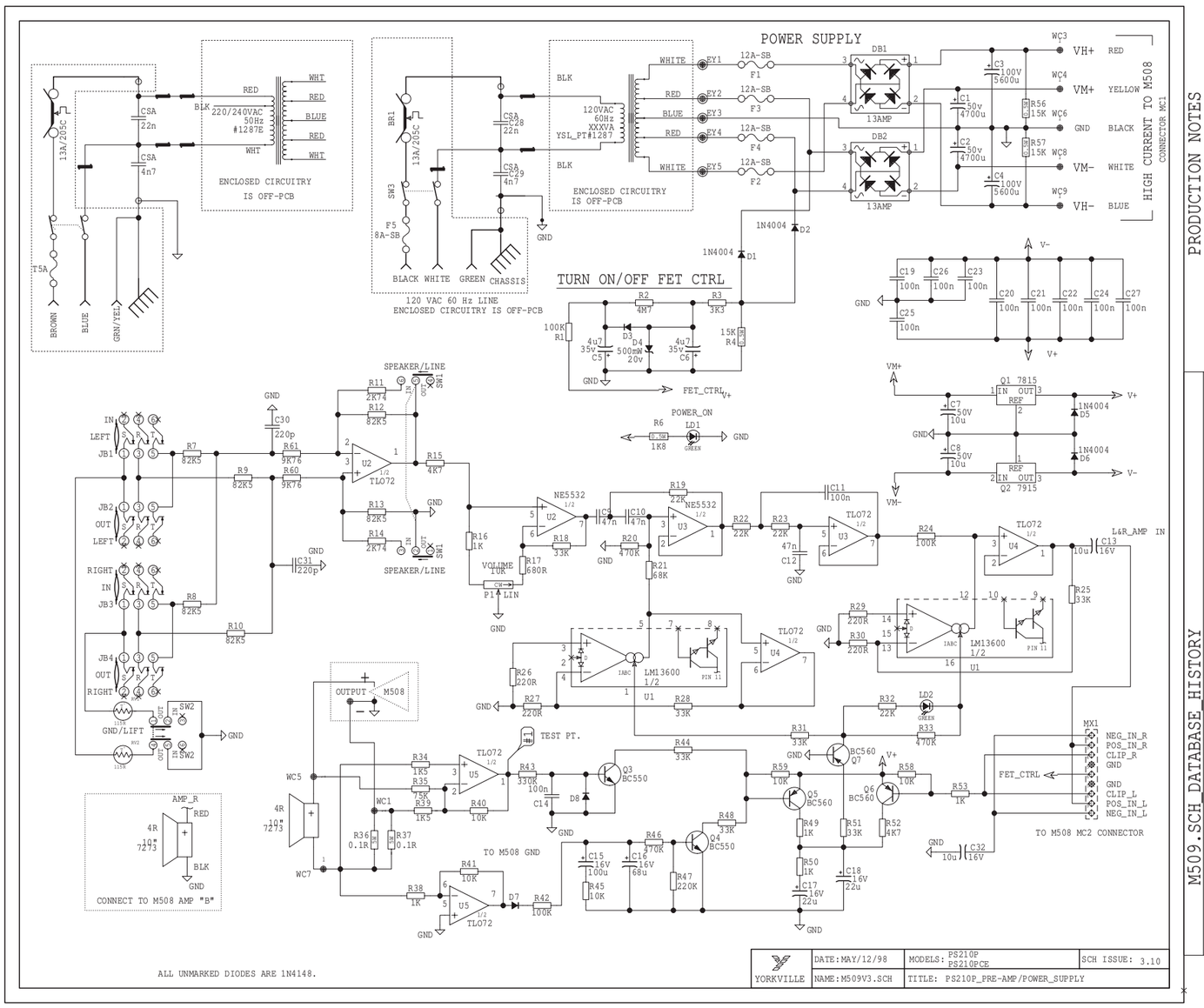
#8607 SPACER
#8607 SPACER

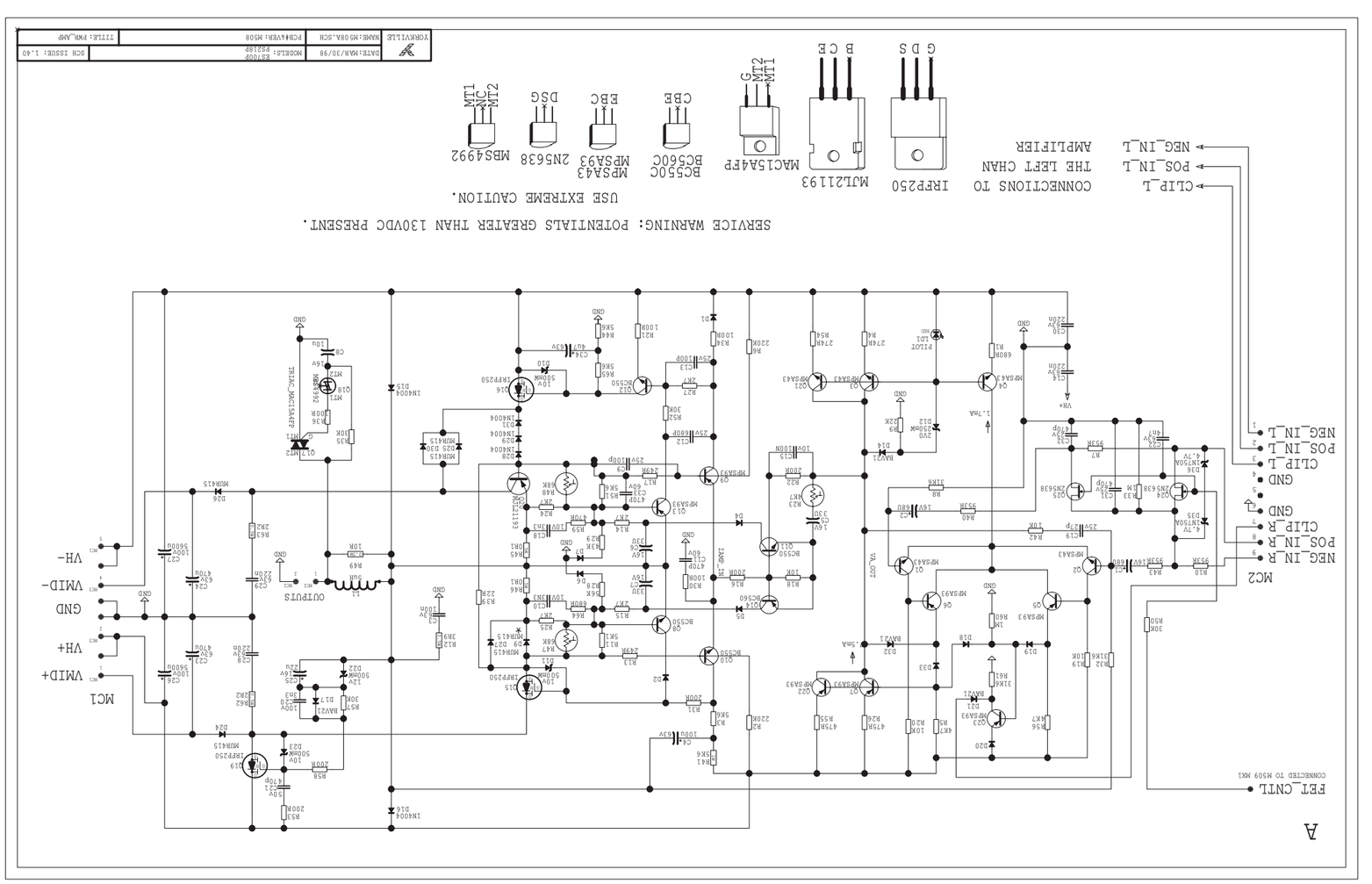
Q46,Q47,Q48,Q49

1 NO FUSE AND HOLDERS FOR "CE"
2 C56 = 680N FOR 230VAC OPERATION
3 C56 = 22N FOR 120VAC OPERATION
4 Q20/RT1 = TO BE HAND INSERTED
5 STUFF U4 (4N35)OR U4A (TLP621
NOT BOTH (NOTE U4A IS HAND
INSERTED
6 USE THIS LAYOUT IF RT1 IS 10K

BLANK SIZE=12.250 X 9.925

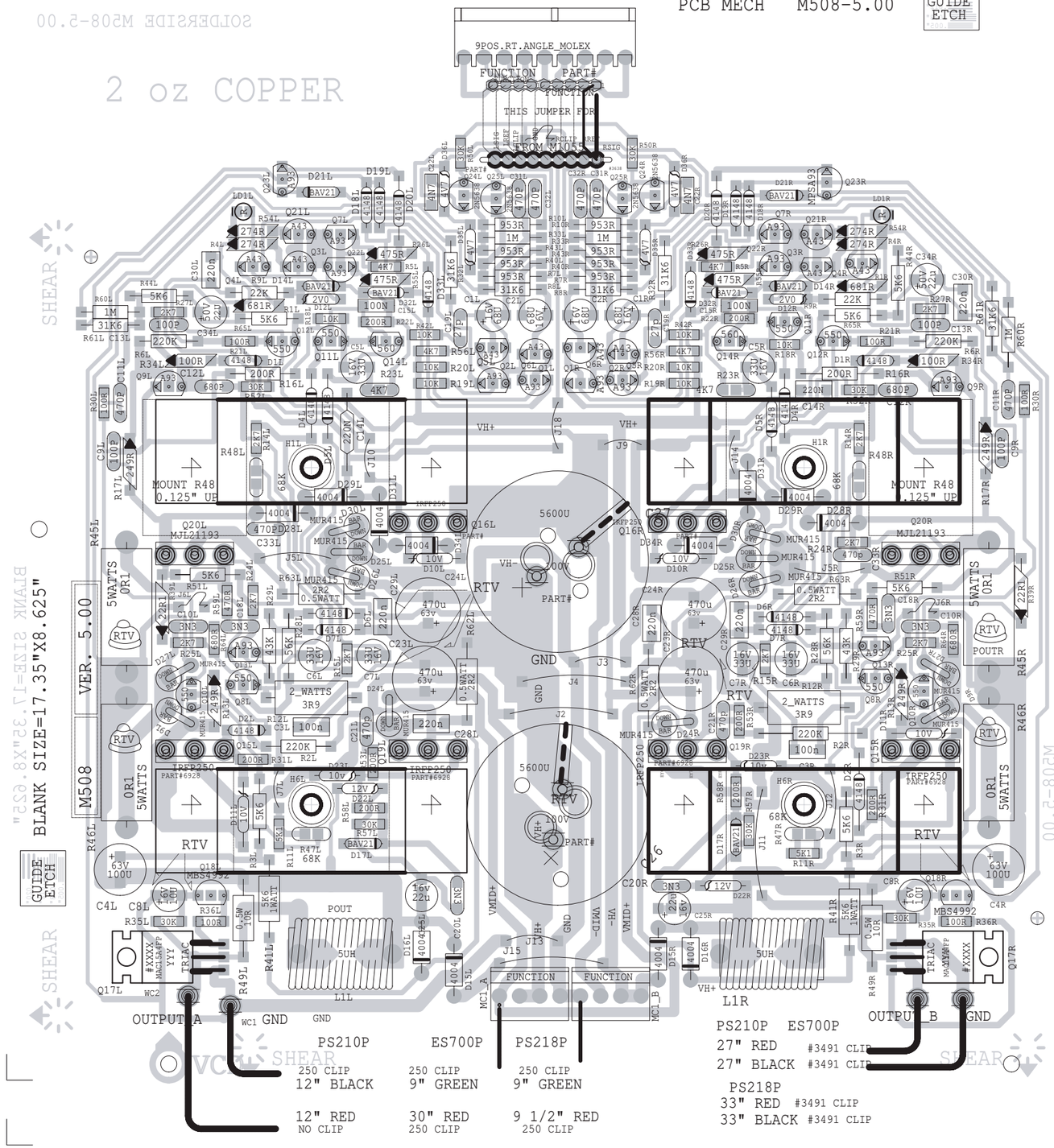
ETCH GUIDE


POWER SUPPLY
TURN ON/OFF FET CTRL
PRODUCTION NOTES
M509.SCH_DATABASE_HISTORY
MODEL(S):- PS210P-PS210PCE
DATE | VER# | DESCRIPTION OF CHANGE
SEP/22/95 | 3.00 | PRE-RELEASE
MAR/03/97 | 3.10 | PCB#4881 UPDATE POWER_SUPPLY
MAY/12/98 | 3.10 | REDONE_FOR_PS210P
ALL UNMARKED DIODES ARE 1N4148.
YORKVILLE
DATE:MAY/12/98
MODELS: PS210P PS210PCE
SCH ISSUE: 3.10
NAME:M509V3.SCH
TITLE: PS210P_PRE-AMP/POWER_SUPPLY


SERVICE WARNING: POTENTIALS GREATER THAN 130VDC PRESENT.
USE EXTREME CAUTION.
CLIP_L
POS_IN_L
NEG_IN_L
CONNECTIONS TO THE LEFT CHAN AMPLIFIER
FET_CNTL
CONNECTED TO M509 MX1
MC1
MC2
A

ASSEMBLY M508-5.00
PCB MECH M508-5.00

GUIDE ETCH



M508A /ES700P/PS218/PS210P
PRODUCTION NOTES

1. ADD RTV TO THE FOLLOWING COMPONENTS C34L/R, C5L/R, C1L/R, C2L/R, L1L/R R45L/R, R46L/R, C6L/R, C8L/R, C25L/R ADD RTV BETWEEN C23L/R , C24L/R AND C7L/R,C26L/R.

2. LD1L/R ARE BENT OVER FLAT TO PCB AND RTV?D IN PLACE

3. C26 AND C27 ARE BROKEN AWAY AFTER WAVE SOLDER AND SOLDERED MANUALLY TO THEIR CORRECT POSITION. THESE CAPS ARE RTV?D AND HELD IN POSITION WITH NYLON CABLE TIES.

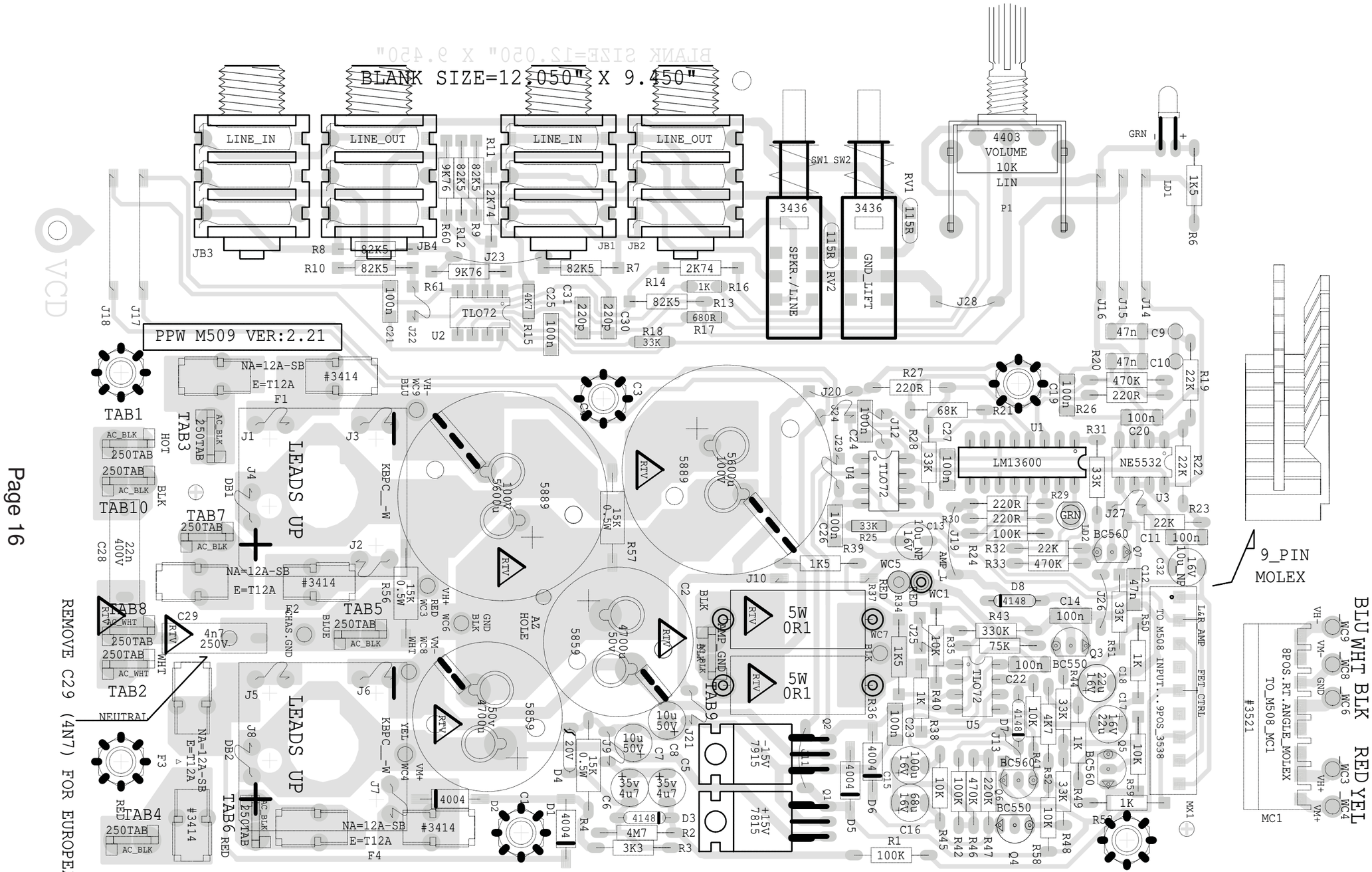
4. ADD RTV UNDER THE MOLEX RIBBON CABLE BEFORE IT IS PUT INTO THE STRAIN RELIEF.

5. ADD TOOTH PICKS TO EYELETS BEFORE WAVE SOLDER.

6. USE #8799 SCREW TO MOUNT Q17L/R.

7. BEND THERMISTORS R23L/R OVER FLAT TO PCB.

M508/A/C.PCB_DATABASE_HISTORY			
MODEL(S):- ES700P_PS218_PS210PX			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/24/95	3.40	SOME_TRACES_ALTERED.PADS_FOR_MOLEX
2	.	.	CHANGED_FROM_S100_TO_R120.
3	.	.	ROUTING_BY_FILTER_CAPS_CHANGED.
4	AUG/27/97	4.00	PC#XXXX_FILTER_CAPS_CHANGED
5	.	.	PC#4409_Q11R_MOVED
6	SEP/05/97	.	PC#XXXX_Q1L/R_Q2L/R_MOVED
7	MAR/25/98	5.00	J10_RADIAL->AXIAL
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
14	D	V	N
15	D	V	N
16	D	V	N
17	D	V	N
18	D	V	N
19	D	V	N
20	D	V	N

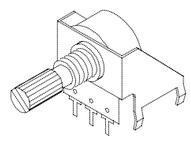


REMOVE C29 (4N7) FOR EUROPEAN

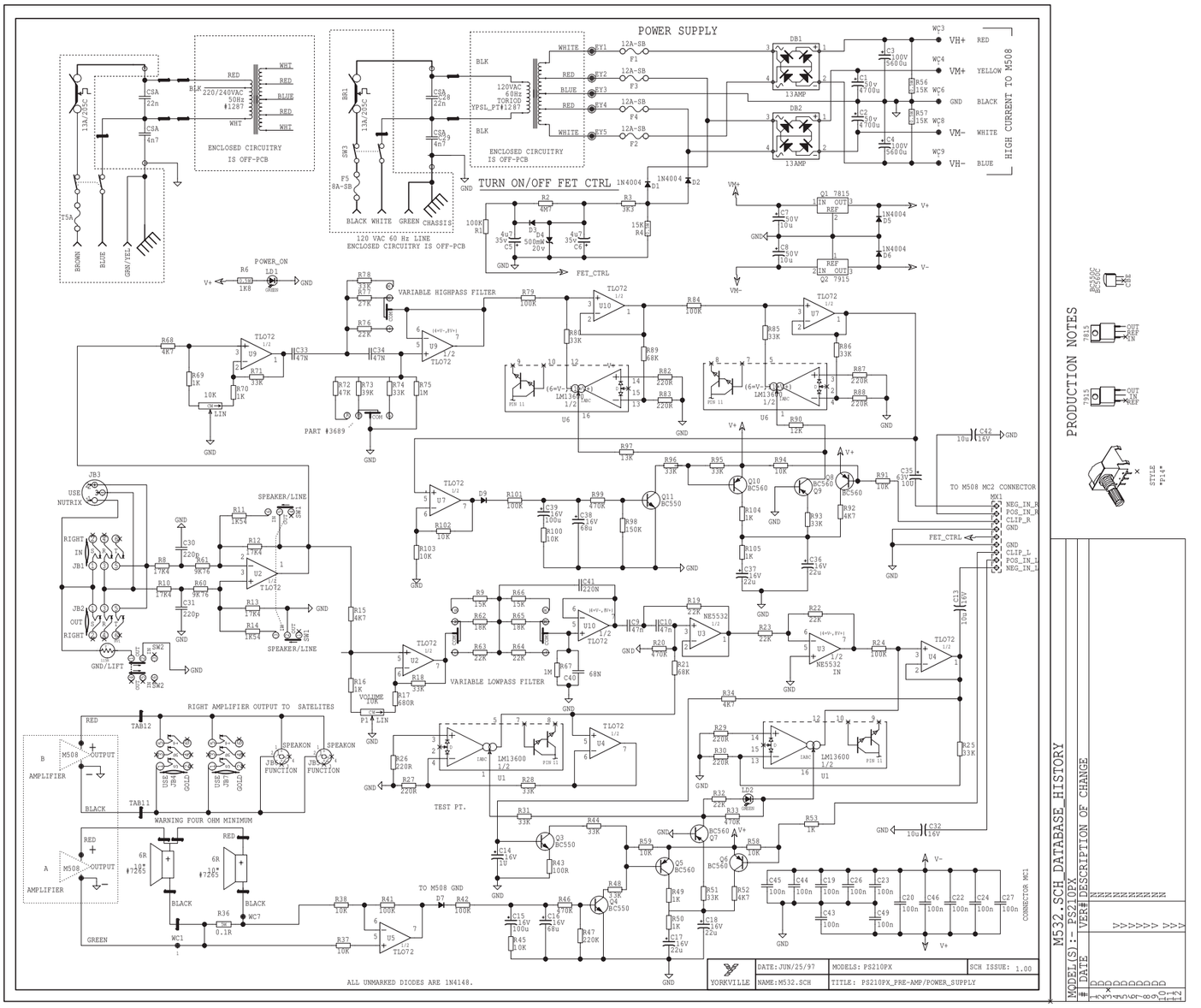
M509.PCB_DATABASE_HISTORY

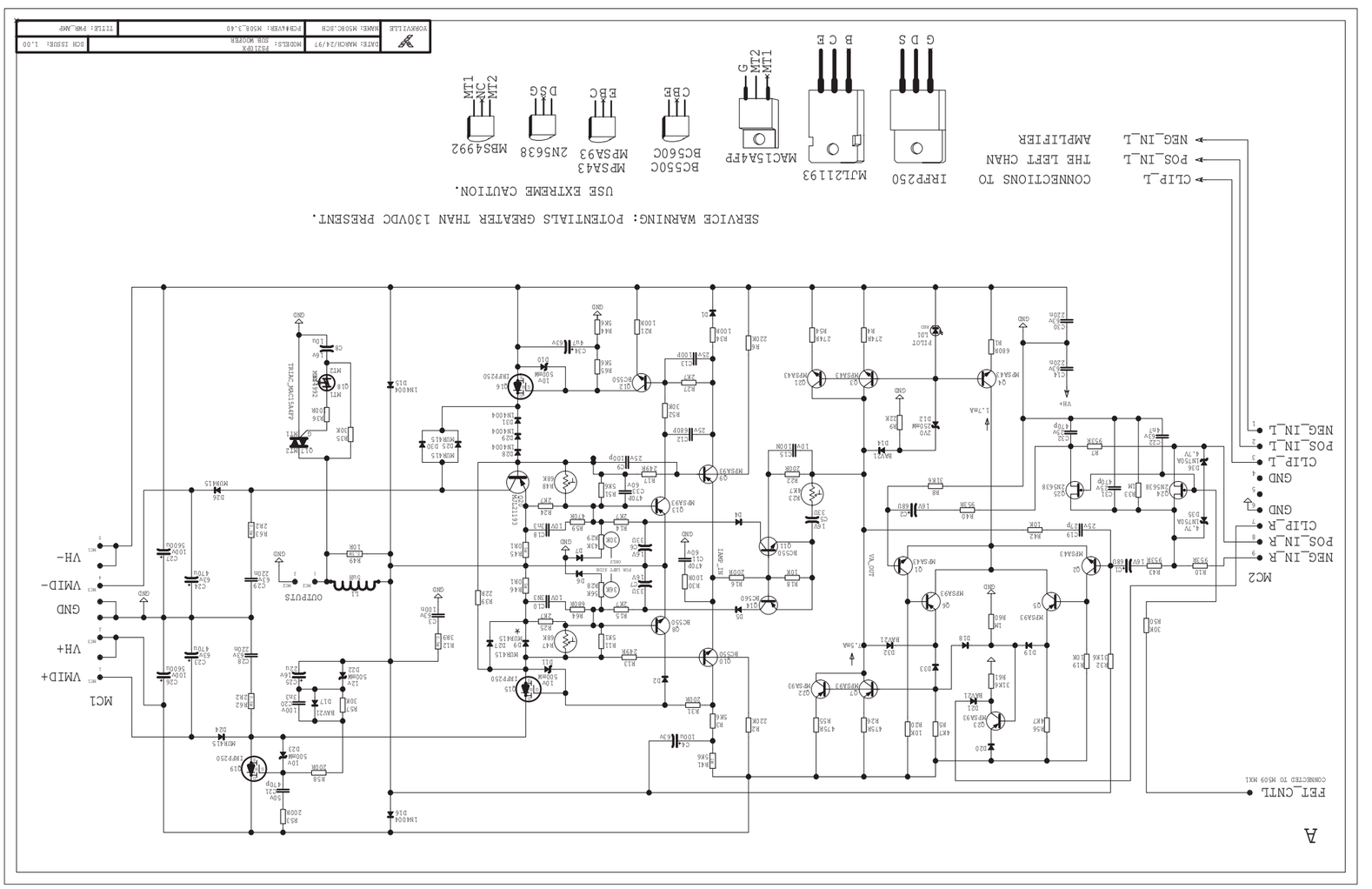
MODEL(S):- PPW

#	DATE	VER#	DESCRIPTION OF CHANGE
1	JUN/26/95	2.20	PC#4832_REPLACE_EYELETS_FOR_XFMR
2	.	.	SECONDARY_WIRES_WITH_TABS
3	APR/03/96	2.21	PC#5079_R16_2K7-->1K
4	MAR/26/97	2.22	PC#5340_U3_TL072-->NE5532
5	D	V	N
6	D	V	N



STYLE
"P14"


POWER SUPPLY
TURN ON/OFF FET CTRL
VARIABLE HIGHPASS FILTER
VARIABLE LOWPASS FILTER
TEST PT.
ENCLOSED CIRCUITRY IS OFF-PCB
120 VAC 60 Hz LINE
ENCLOSED CIRCUITRY IS OFF-PCB
HIGH CURRENT TO M508
TO M508 MC2 CONNECTOR
RIGHT AMPLIFIER OUTPUT TO SATELITES
WARNING FOUR OHM MINIMUM
SPEAKER/LINE
GND/LIFT
PRODUCTION NOTES
ALL UNMARKED DIODES ARE 1N4148.
M532.SCH DATABASE HISTORY
MODEL(S):- PS210PX
DATE
VER# DESCRIPTION OF CHANGE
DATE: JUN/25/97
MODELS: PS210PX
SCH ISSUE: 1.00
YORKVILLE
NAME:M532.SCH
TITLE: PS210PX_PRE-AMP/POWER_SUPPLY


SERVICE WARNING: POTENTIALS GREATER THAN 130VDC PRESENT.
USE EXTREME CAUTION.
CLIP_L
POS_IN_L
NEG_IN_L
CONNECTIONS TO THE LEFT CHANN AMPLIFIER
IRFP250
MJL21193
MAC15A4FP
BC550C BC560C
MPSA43 MPSA93
2N5638
MBS4992
MC1
MC2
OUTPUT
FET_CNTL
CONNECTED TO M509 MX1
YORKVILLE
DATE: MARCH/24/97
NAME: M508C.SCH
MODELS: PS210PX 60W MODIFIED
PCB#/VER: M508_3.60
SCH ISSUE: 1.00
TITLE: PWR_AMP

ASSEMBLY M508-5.00
PCB MECH M508-5.00

GUIDE ETCH

2 oz COPPER

SOLDERSIDE M508-5.00

BLANK SIZE=17.35"X8.625"

M508 VER. 5.00

GUIDE ETCH

FUNCTION PART#

FROM M1055

MOUNT R48 0.125" UP

MOUNT R48 0.125" UP

OUTPUT_A

OUTPUT_B

GND

L1L

L1R

POUT

5UH

5600u

4700u

RED 18"

RED 34"

GREEN 7"

BLACK 34"

WC7

GREEN

WC1

TAB9

C2

WC9

WC3

WC6

WC8

R56

TAB5

J6

J5

M532

RED 12"

BLACK 12"

RIGHT NEG.

TAB11

TAB12

RIGHT POS.

M532

JB5

JB7

M508C PS210PX

M508/A/C.PCB_DATABASE_HISTORY

MODEL(S):- ES700P_PS218_PS210PX

#	DATE	VER#	DESCRIPTION OF CHANGE
1	FEB/24/95	3.40	SOME_TRACES_ALTERED.PADS_FOR_MOLEX
2	.	.	CHANGED_FROM_S100_TO_R120.
3	.	.	ROUTING_BY_FILTER_CAPS_CHANGED.
4	AUG/27/97	4.00	PC#XXXX_FILTER_CAPS_CHANGED
5	.	.	PC#4409_Q11R_MOVED
6	SEP/05/97	.	PC#XXXX_Q1L/R_Q2L/R_MOVED
7	MAR/25/98	5.00	J10_RADIAL->AXIAL
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
14	D	V	N
15	D	V	N
16	D	V	N
17	D	V	N
18	D	V	N
19	D	V	N
20	D	V	N

PRODUCTION NOTES

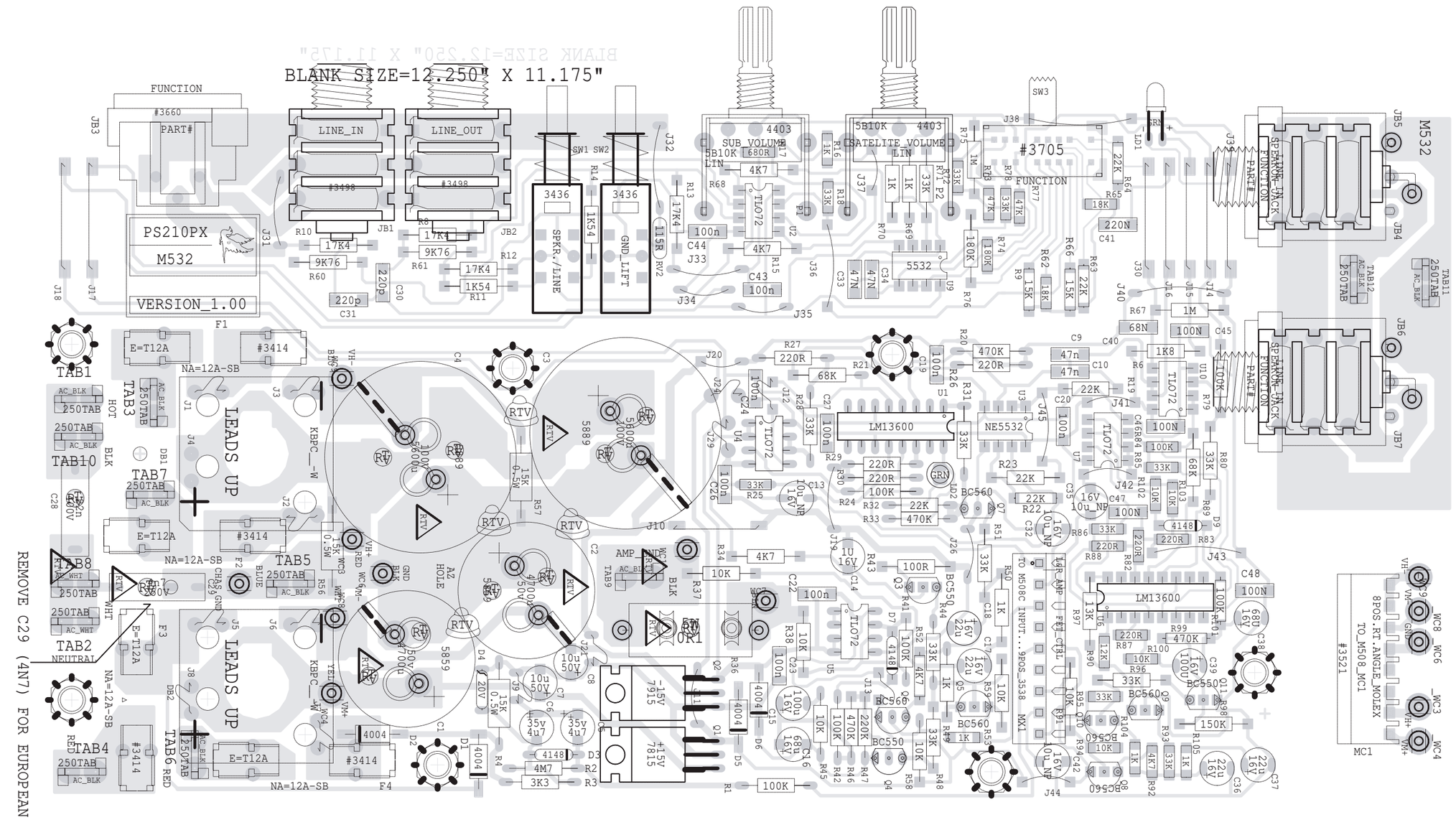
1. ADD RTV TO THE FOLLOWING COMPONENTS C34L/R, C5L/R, C1L/R, C2L/R, L1L/R R45L/R, R46L/R, C6L/R, C8L/R, C25L/R ADD RTV BETWEEN C23L/R , C24L/R AND C7L/R,C26L/R.
2. LD1L/R ARE BENT OVER FLAT TO PCB AND RTV?D IN PLACE
3. C26 AND C27 ARE BROKEN AWAY AFTER WAVE SOLDER AND SOLDERED MANUALLY TO THEIR CORRECT POSITION. THESE CAPS ARE RTV?D AND HELD IN POSITION WITH NYLON CABLE TIES.
4. ADD RTV UNDER THE MOLEX RIBBON CABLE BEFORE IT IS PUT INTO THE STRAIN RELIEF.
5. ADD TOOTH PICKS TO EYELETS BEFORE WAVE SOLDER.
6. USE #8799 SCREW TO MOUNT Q17L/R.
7. BEND THERMISTORS R23L/R OVER FLAT TO PCB.

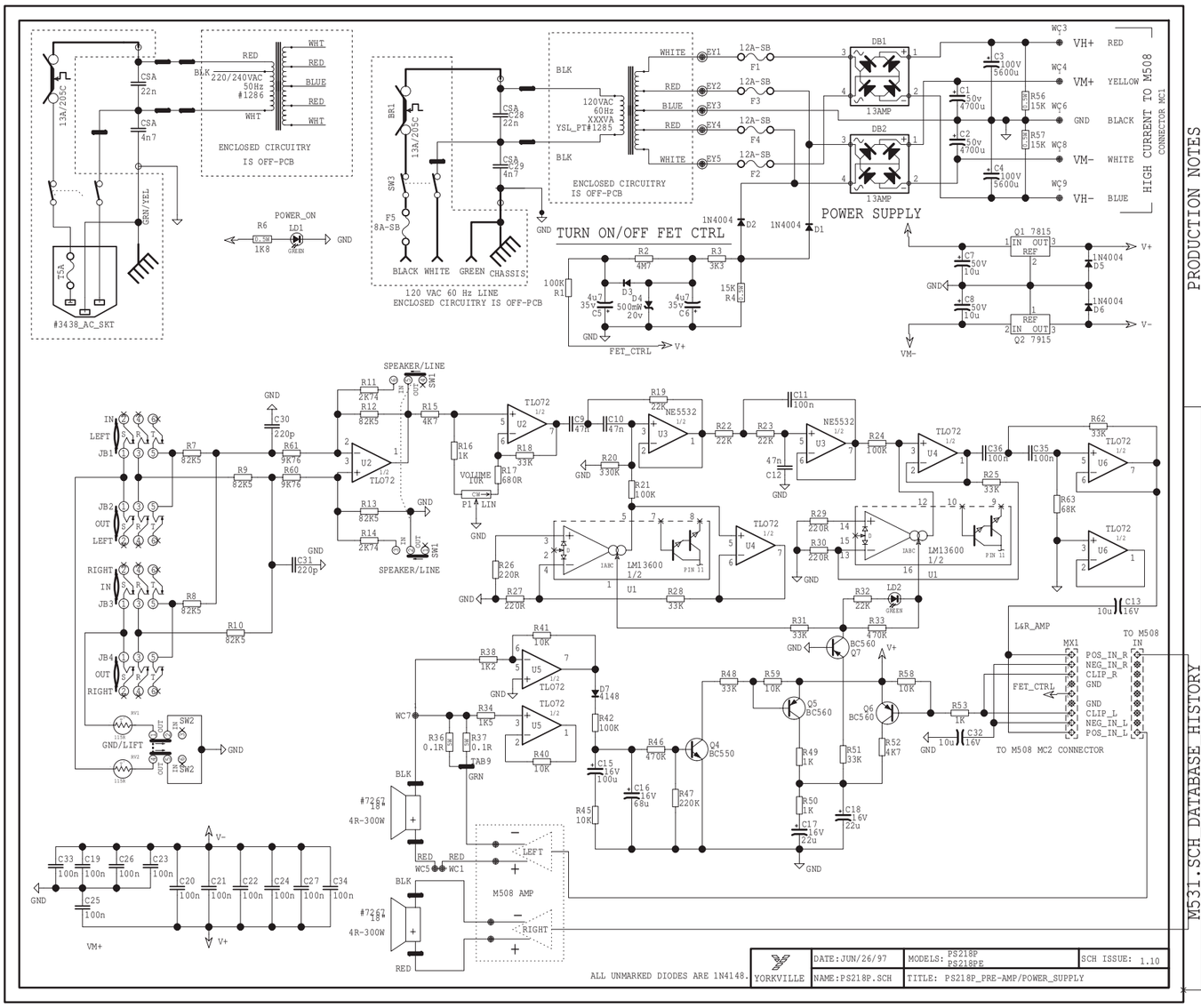
M532.PCB_DATABASE_HISTORY			
MODEL(S):- PS210PX			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
14	D	V	N
15	D	V	N
16	D	V	N
17	D	V	N
18	D	V	N
19	D	V	N
20	D	V	N

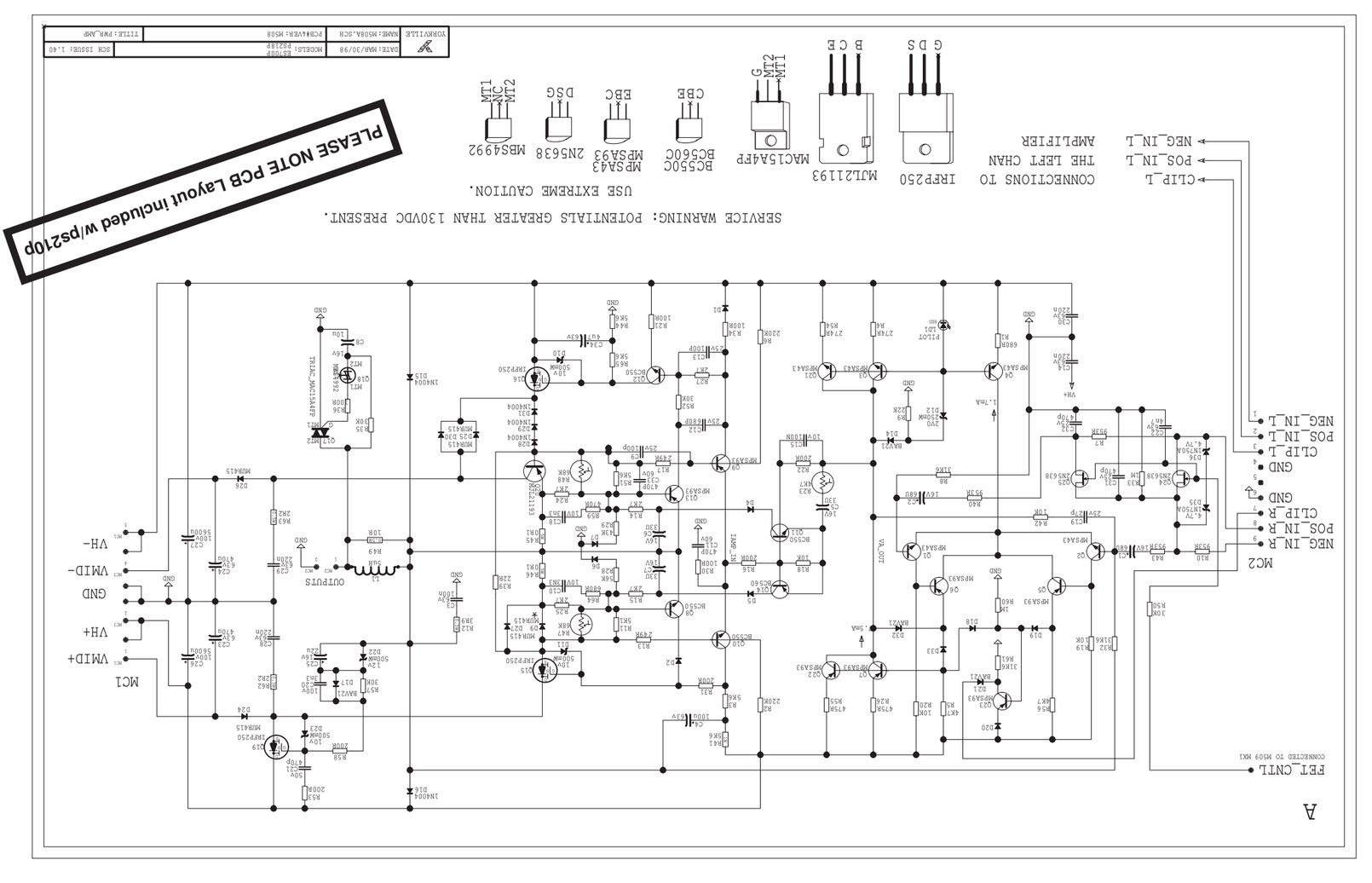
PS210PX
PRODUCTION NOTES

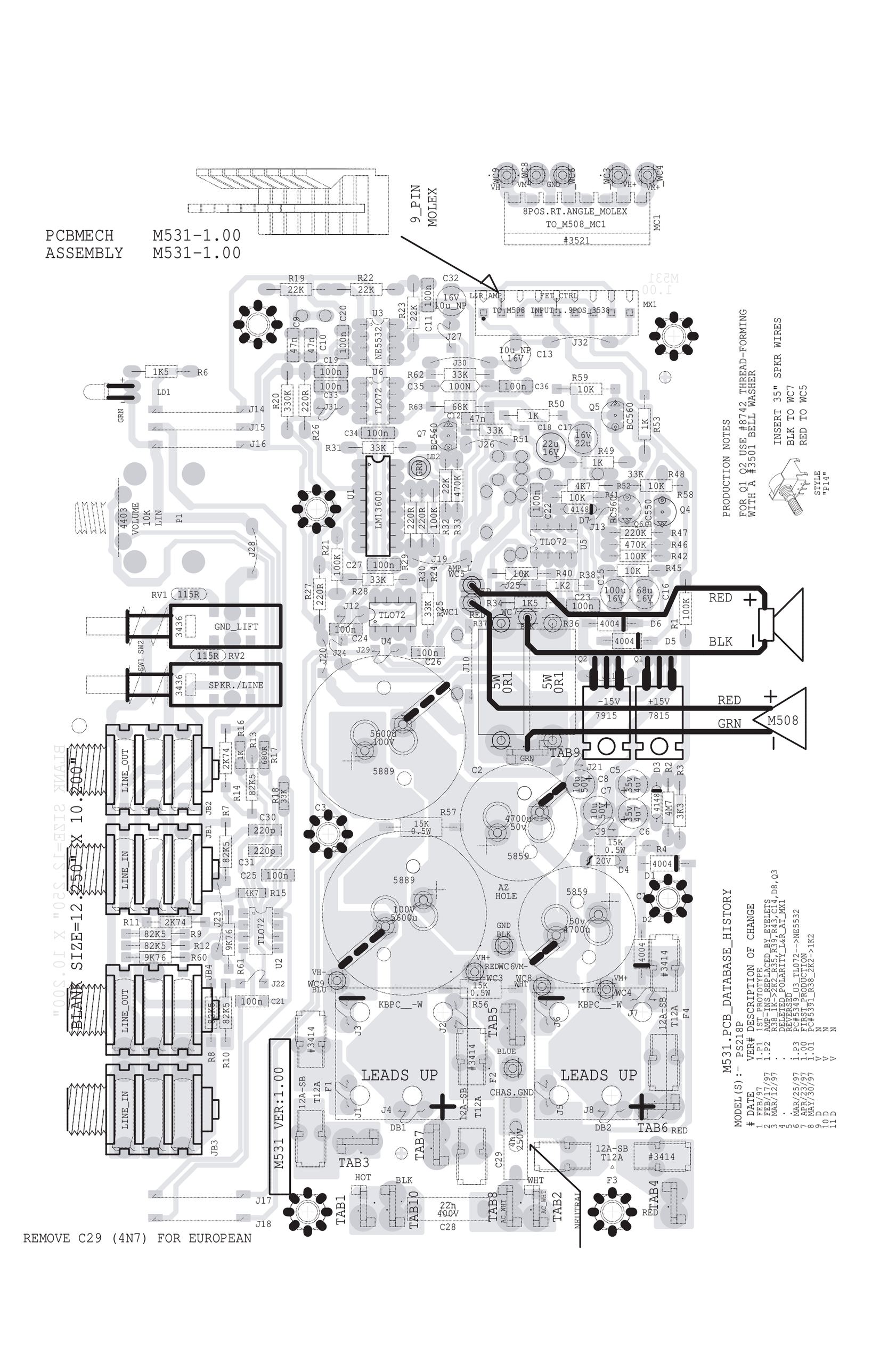
1. REMOVE C29 FOR(4N7)FOR EUROPEAN.

2. ADD RTV TO ALL CAPS AND RV2.




TURN ON/OFF FET CTRL
POWER SUPPLY
PRODUCTION NOTES
HIGH CURRENT TO M508 CONNECTOR MC1
VH+ RED
VM+ YELLOW
GND BLACK
VM- WHITE
VH- BLUE
ENCLOSED CIRCUITRY IS OFF-PCB
120 VAC 60 Hz LINE
ENCLOSED CIRCUITRY IS OFF-PCB
#3438_AC_SKT
FET_CTRL
SPEAKER/LINE
M508 AMP
L&R_AMP
TO M508 IN
TO M508 MC2 CONNECTOR
M531.SCH DATABASE HISTORY
MODEL(S):- PS218P-PS218PE
DATE
DESCRIPTION OF CHANGE
VER#
JAN/31/97 FIRST PROTYPE
MAR/12/97 R56,57 15K NOT USED MX1_ALTRD
MAR/18/97 C24,27 100n>47n MC2
MAY/30/97 R33 470R>1K2 BC560
JUN/26/97 CORRECTIONS TO CLARIFY
1.10
YORKVILLE
DATE:JUN/26/97
NAME:PS218P.SCH
MODELS: PS218P PS218PE
TITLE: PS218P_PRE-AMP/POWER_SUPPLY
SCH ISSUE: 1.10
ALL UNMARKED DIODES ARE 1N4148.


PLEASE NOTE PCB Layout included w/ps210p
SERVICE WARNING: POTENTIALS GREATER THAN 130VDC PRESENT.
USE EXTREME CAUTION.
CLIP_L
POS_IN_L
NEG_IN_L
CONNECTIONS TO THE LEFT CHAN AMPLIFIER
FET_CNTL
CONNECTED TO MS09 MX1
MC1
MC2
VH+
VMID+
GND
VMID-
VH-
NEG_IN_R
POS_IN_R
CLIP_R
GND
GND
MJL21193
IRFP250
MAC15A4FP
BC550C
MPSA43
2N5638
MBS4992
TITLE: PWR_AMP
SCH ISSUE: 1.40
PCB#&VER: MS08
NAME: MAM/30/98
DATE:


PCBMECH M531-1.00
ASSEMBLY M531-1.00
9_PIN MOLEX
8POS.RT.ANGLE_MOLEX
TO_M508_MC1
#3521
MC1
L&R AMP
FET CTRL
TO M508 INPUT
9POS 3538
MX1
PRODUCTION NOTES
FOR Q1 Q2 USE #8742 THREAD-FORMING
WITH A #3501 BELL WASHER
INSERT 35" SPKR WIRES
BLK TO WC7
RED TO WC5
STYLE "P14"
M531.PCB_DATABASE_HISTORY
MODEL(S):- PS218P
DATE VER# DESCRIPTION OF CHANGE
1 FEB/97 1.P1 1ST PROTOTYPE
2 FEB/17/97 1.P2 AMP-INS_REPLACED_BY_EYELETS
3 MAR/12/97 . . R38_1K->2K2_R35,R39,R43,C14,D8,Q3
4 . . DELETED_POLARITY_L&R_AT_MX1
5 . . REVERSED
6 MAR/25/97 1.P3 PC#5349_U3_TL072-->NE5532
7 APR/23/97 1.00 FIRST_PRODUCTION
8 MAY/30/97 1.01 PC#5391_R38_2K2->1K2
9 D V N
10 D V N
11 D V N
M531 VER:1.00
BLANK SIZE=12.250" X 10.200"
REMOVE C29 (4N7) FOR EUROPEAN
LEADS UP
LEADS UP
AZ HOLE
CHAS.GND
RED
BLK
GRN
M508
GND_LIFT
SPKR./LINE
VOLUME 10K LIN
LINE_OUT
LINE_IN
LINE_OUT
LINE_IN
TAB1
TAB2
TAB3
TAB4
TAB5
TAB6
TAB7
TAB8
TAB9
TAB10
HOT
BLK
WHT
NEUTRAL
-15V
7915
+15V
7815
LM13600
NE5532
TL072
BC560
BC550
KBPC__-W
5600u 100V
4700u 50v
22n 400V
4n7 250V
5W 0R1
5W 0R1